Intact Genomics®

Experts in Genomic Discovery

2026 Catalog

Quality Management ISO 13485:2016 Certified

Intact Genomics, Inc.

11840 Westline Industrial Drive, Ste 120, St. Louis, MO 63146, USA

Toll-Free: 1-855-835-7172 Phone: 314-942-3655 Fax: 314-942-3656

Email: sales@intactgenomics.com www.intactgenomics.com

Intact Genomics®

Experts in Genomic Discovery

Intact Genomics (IG®) is an ISO13485:2016 certified biotech company that provides high-quality life science products and advanced genomic services to customers worldwide. We aim to empower scientific discoveries and innovation, develop cutting-edge technologies, and innovate life science products for isothermal DNA/RNA amplification, simplified DNA cloning, protein expression, gene-editing, plant transformation, artificial chromosomes and direct capture of large DNA fragments.

With curiosity and passion in life sciences, IG started in 2013 in a beautiful, quiet suburb of St. Louis, Missouri, USA. The company has developed over 100 products to support researchers from more than 2,000 laboratories worldwide to explore the genomic structure and function of microorganisms, plants, and animal species and to discover solutions to critical challenges in human health, agriculture, and the environment.

Innovation, Customer Focus
Integrity, Determination, Growth

Questions?

We have the answers!

Our customer service representatives are some of the best in the industry and are here to help you. Whether you have a technical question or need help with choosing the right product or services, we are here for you.

Contact us today!

1-855-835-7172

intactgenomics.com

sales@intactgenomics.com

FOLLOW US ON SOCIAL MEDIA

Intact Genomics, Inc @intactgenomics

Table of Contents

RPA

Recombinase Polymerase Amplification

Intact Genomics is the leading global provider of products for Recombinase Polymerase Amplification (RPA) optimization. RPA is an excellent candidate for developing rapid testing methods.

Applications & Benefits

- **Alternative to PCR. No thermocycler or other heavy equipment needed.**
- **Highly selective and sensitive isothermal DNA/RNA amplification.**
- **Fast Reaction, Convenience, Simplicity & Cost-Effectiveness.** *Excellent for rapid point-of-care and on-site testing.*
- **High-Quality & ISO Certified.** *Intact Genomics uses proprietary methods to guarantee consistency and reliability.*
- **RPA Enzyme and Kit Customization, Glycerol-free and Lyophilized Formulations Available.** *We can meet your specific needs.*

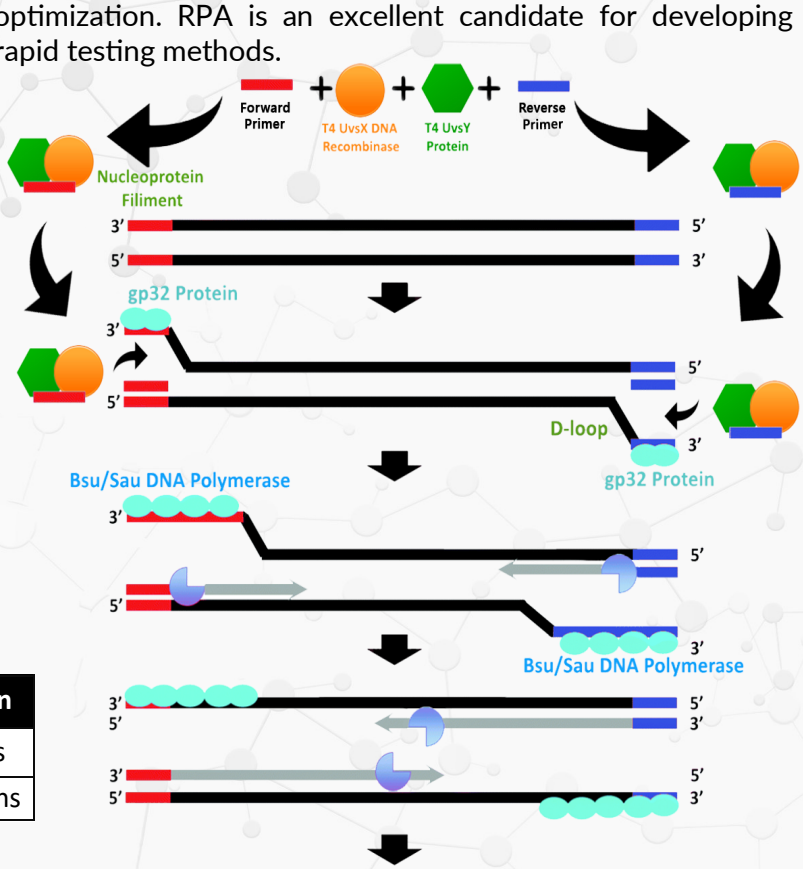


Fig.1: Overview of RPA.

RPA vs PCR

Technique	Typical Incubation Temp (°C)	Incubation
RPA	25°C (Room temp.), 37°C or 42°C	5-15 mins
PCR	Thermocycler (94°C - 55°C - 72°C)	45-180 mins

Product Name	Cat #	Pkg Size
IG® RPA Master Mix (New)	3545	25 rxns
	3547	100 rxns
	3549	500 rxns
ig® RPA Kit v2	3533	25 rxns
	3534	100 rxns
	3536	500 rxns
ig® RPA Kit v1	3526	25 rxns
	3530	100 rxns
FastAmp® qRPA SYBR kit	3611	25 rxns
	3615	100 rxns
	3517	500 rxns
FastAmp® Plant Direct RPA kit	3621	25 rxns
	3623	100 rxns
	3625	500 rxns

New

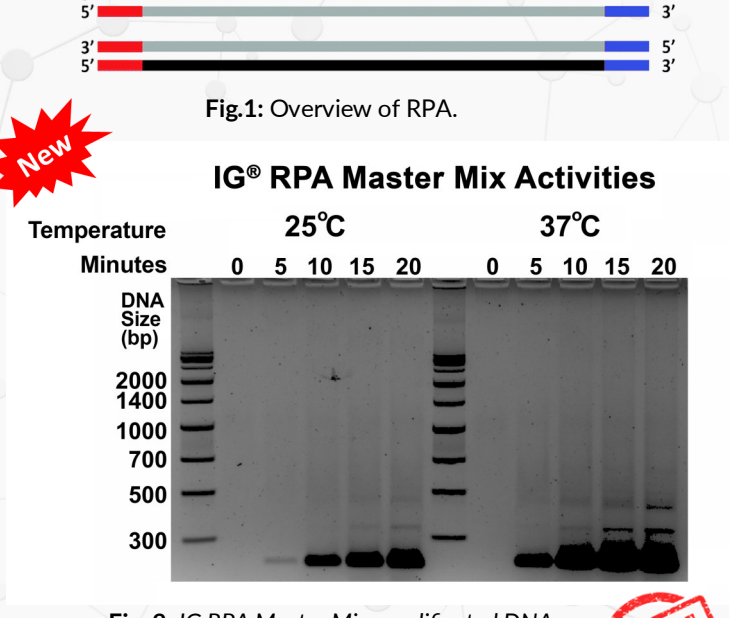


Fig. 2: *IG RPA Master Mix amplificated DNA in 10 minutes at 25°C, in 5 minutes at 37°C.*

PATENT PENDING

www.intactgenomics.com 314-942-3655 sales@intactgenomics.com

RPA

Recombinase Polymerase Amplification

Intact Genomics provides excellent tools for RPA optimization. High-quality RPA enzymes in convenient formats (Regular, Glycerol-free or Lyophilized) and FastAmp® viral and cell lysis solutions are central to our offerings (see also page 7), giving customers the confidence to independently develop unique amplification assays for rapid testing in many applications in human health, agriculture, next-generation sequencing and more. Our technical team can offer advice to get you started!

RPA Enzymes

Product Name	Cat #	Pkg Size	Conc.
T4 UvsX DNA Recombinase	3562	100 µg	5µg/µl
	3565	500 µg	
	3567	1000 µg	
T4 UvsY Protein	3572	100 µg	2µg/µl
	3575	500 µg	
	3577	1000 µg	
T4 gp32 Protein	3511	100 units	5µg/µl
	3512	200 units	
	3515	500 units	
	3516	500 units	10 µg/µl
***Bsu* DNA Polymerase, Large Fragment**	3582	200 units	5units/µl
	3585	1000 units	
	3587	2000 units	
Sau DNA Polymerase, Large Fragment	3592	200 units	5units/µl
	3595	1000 units	

RPA Related Products	Cat #	Pkg Size	Conc.
Exonuclease III	3412	10000 units	100 units/µl
	3415	25000 units	
Endonuclease IV (Nfo)	3422	2000 units	10 units/µl
	3425	5000 units	
T7 Endonuclease I	3610	500 units	10 units/µl
	3612	1250 units	
FastAmp® Viral and Cell Lysis Solution	4630	12.5 ml, 25 rxns	
	4631	50 ml, 100 rxns	
	4633	250 ml, 500 rxns	
	4636	10 ml, 5x, 100 rxns	

Glycerol-Free & Lyophilized RPA enzymes

Product Name	Cat #	Pkg Size	Conc.
Glycerol-Free T4 UvsX DNA Recombinase	3562GF	100 µg	5µg/µl
	3565GF	500 µg	
	3567GF	1000 µg	
Lyophilized T4 UvsX DNA Recombinase	3562Lyo	100 µg	
	3565Lyo	500 µg	
	3567Lyo	1000 µg	
Glycerol-Free T4 UvsY Protein	3572GF	100 µg	2µg/µl
	3575GF	500 µg	
	3577GF	1000 µg	
Lyophilized T4 UvsY Protein	3572Lyo	100 µg	
	3575Lyo	500 µg	
	3577Lyo	1000 µg	
Glycerol-Free T4 gp32 Protein	3513GF	250 µg	10µg/µl
	3516GF	500 µg	
	3519GF	1000 µg	
Lyophilized T4 gp32 Protein	3513Lyo	250 µg	
	3516Lyo	500 µg	
	3519Lyo	1000 µg	
Glycerol-Free Bsu DNA Polymerase	3582GF	200 units	5units/µl
	3585GF	1000 units	
Lyophilized Bsu DNA Polymerase	3582Lyo	200 units	
	3585Lyo	1000 units	

OEM, Partnerships & Bulk Orders Discounts Available

Reverse Transcription Enzymes & Kits

Intact Genomics has developed a variety of products for RNA analysis and preservation.

igScript™ Reverse Transcriptase (RT) is a proprietary M-MLV RT enzyme that provides researchers with a robust solution for critical RNA amplification experiments. Our cDNA kits make RNA/cDNA quantification and profiling easy.

IG RNase Inhibitor, murine, keeps RNA samples stable from RNase A, B, and C, and it is available with glycerol or in a glycerol-free format for broad applications.

The igScript™ First Strand cDNA Synthesis Kit is highly efficient at producing full-length cDNA from long RNA templates at temperatures between 42-55 °C.

Product Name	Cat #	Pkg Size	Conc.
igScript™ Reverse Transcriptase	3342	10,000 units	200 U/µl
	3344	50,000 units	
igScript™ Glycerol-free Reverse Transcriptase New	3342GF	10,000 units	
	3344GF	50,000 units	
RNase Inhibitor, Murine	3712	5,000 units	40 U/µl
	3714	20,000 units	
Glycerol-free RNase Inhibitor, Murine New	3712GF	5,000 units	
	3714GF	20000 units	
igScript™ First Strand cDNA Synthesis Kit	4312	25 rxns	
	4314	100 rxns	
igScript™ One Step RT -PCR Kit	4211	100 rxns	20 µl rxn vol
	4213	500 rxns	
igScript™ One Step RT-qPCR Kit	4214	100 rxns	
	4218	500 rxns	
igScript™ Probe-Based One Step RT-qPCR Kit	4212	200 rxns	
	4215	500 rxns	
	4217	1000 rxns	
igScript™ Probe-Based RT-qPCR Kit	4243	50 rxns	
	4245	100 rxns	
	4247	500 rxns	

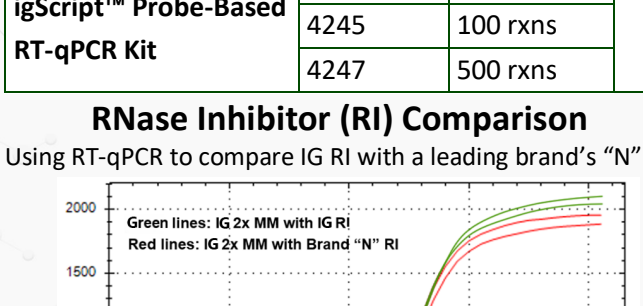
Customer Submitted Comparison Data

Transcriptase	Cq	Primer
igScript™ RT	26.52	Target
igScript™ RT	27.25	Target
igScript™ RT	25.65	Target
SuperScript™ III	26.09	Target
SuperScript™ III	26.74	Target
SuperScript™ III	25.54	Target
igScript™ RT	18.46	Housekeeping
igScript™ RT	18.48	Housekeeping
igScript™ RT	18.44	Housekeeping
SuperScript™ III	18.16	Housekeeping
SuperScript™ III	18.24	Housekeeping
SuperScript™ III	18.65	Housekeeping

High Quality & More Affordable Prices

RNase Inhibitor (RI) Comparison

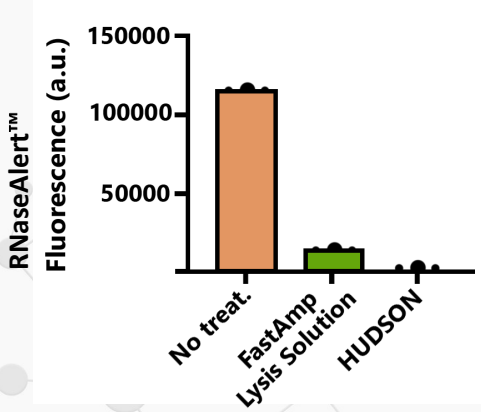
Using RT-qPCR to compare IG RI with a leading brand's "N" RI.



FastAmp® Solutions and Kits

Product Name	Cat #	Package
FastAmp® Plant Direct RPA Kit (New)	3621	25 rxns
	3623	100 rxns
	3625	500 rxns
FastAmp® Plant Direct PCR kit	4612	250 rxns
	4615	1250 rxns
FastAmp® Plant Cell Lysis Solution	4611	20 ml
FastAmp® Viral and Cell Lysis Solution	4630	12.5 ml, 25 rxns
	4631	50 ml, 100 rxns
	4633	250 ml, 500 rxns
	4636	10 ml, 5x, 100 rxns

RNase Inactive in Saliva by FastAmp® Lysis Solution



Simplified Cas13-based assays for the fast identification of SARS-CoV-2 and its variants. Nat Biomed Eng. 2022 August ; 6(8): 932–943. doi:10.1038/s41551-022-00889-z.

FastAmp® Solution Benefits

- No DNA or RNA extraction needed
- Safe for sample transport and maintenance
- Speeds up testing processes
- Compatible with animal or plant tissues
- Compatible with many modes of detection
- Low toxicity to humans & environment
- Results published in peer-reviewed journals

Intact Genomics offers a variety of PCR and qPCR kits and enzymes for your research needs. These include our proprietary SYBR Green and Probe-based qPCR products that streamline the PCR/qPCR process.

Our unique FastAmp® Viral and Cell Lysis Solution directly streamlines DNA and RNA collection, stability and storage. After using the solution, the DNA or RNA from lysed cells or viruses can be safely used in PCR, qPCR, RT-PCR, RT-qPCR, RPA, RT-RPA without the need for an RNA extraction step.

qPCR Master Mixes

Product Name	Cat #	Package	Volume
SYBR Green qPCR 2X Master Mix	3354	200 rxns	4x500 µl
	3356	500 rxns	10x500 µl
	3357	2000 rxns	40x500 µl
	3360	2000 rxns	4x5 ml
igScript™ Probe-Based qPCR Master Mix	4233	500 rxns	
	4235	1000 rxns	
	4237	2500 rxns	

Polymerases

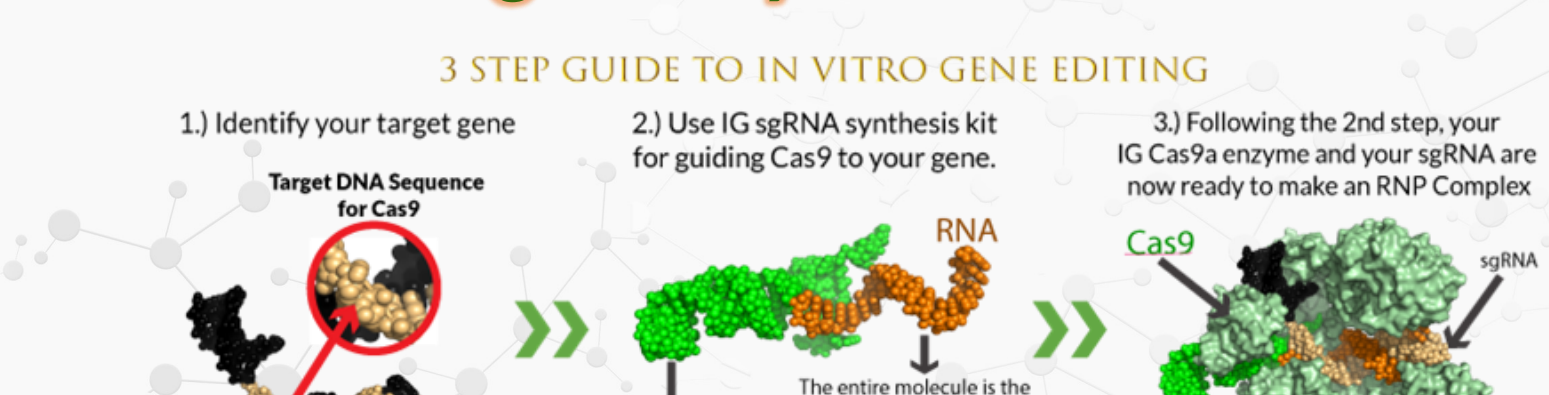
Product Name	Cat #	Package
i7® High-Fidelity DNA Polymerase	3254	200 units
	3255	500 units
i7® High-Fidelity DNA Polymerase 2X Master Mix	3257	100 rxns
	3259	500 rxns
Taq DNA Polymerase	3243	1000 units
	3245	5000 units
Taq DNA Polymerase w/ dNTP	3243d	1000 units
	3245d	5000 units
Taq DNA Polymerase 2x Premix	3249	500 rxns
	3250	1000 rxns
Hot Start Taq 2x Master Mix	3296	500 rxns
Pfu 2x Master Mix	3326	200 rxns

Intact Genomics®

Gene-Editing & CRISPR

At Intact Genomics, we believe in the power of unlocking nature's code for the betterment of humanity. Intact Genomics is proud to introduce a high quality product line for gene-editing. From Cas enzymes to Prime-Editing kits, researchers can find the best tools to maximize their genome-editing experiments.

sgRNA Synthesis Kits



Product Name	Cat #	Package Size
sgRNA Synthesis Kit for Cas9 Nuclease	3203	10 rxns, 20 µl
	3206	10 rxns, 100 µl
sgRNA Synthesis Kit for Cas12a Nuclease	3303	10 rxns, 20 µl
	3306	10 rxns, 100 µl
Cas9	3273	80 µg
	3276	400 µg
Cas12a	3273	80 µg
	3276	400 µg
RNA Cleanup Kit	4003	25 preps
	4005	100 preps
T7 RNA Polymerase	3292	5,000 units
	3296	25,000 units

www.intactgenomics.com 314-942-3655 sales@intactgenomics.com

CRISPR Prime-Editing

Introducing the first commercially available PEmax Enzyme and PE pegRNA Synthesis Kit on the market. The IG® PEmax Enzyme and PE pegRNA Synthesis Kit provide excellent quality, reliability, and ease of use.

Product Name	Cat #	Package Size
PEmax Enzyme	3473	80 µg
	3476	400 µg
PE pegRNA Synthesis Kit	3404	10 Reactions (20 µl rxn Volume)
	3406	10 Reactions (100 µl rxn Volume)

PEmax™ System Feature & Benefits

- Wide variety of genetic editing possibilities
- Specific DNA/RNA targeting
- Precision gene therapy research
- Up to 20x more efficient than previous methods
- Targeted DNA insertions

PEmax and Prime-Editing, a quick over-view:

PEmax is purified recombinant *Streptococcus pyogenes* Cas9 nickase mutant (H840A)-MMLV-Reverse Transcriptase fusion protein containing a NLS . The fusion enzyme nicks targeted DNA/RNA and directs a mutation at a specific site guided by the pegRNA. RT uses the system to deliver replacement DNA sequence. Researchers can customize the pegRNA to target specific DNA sequences to meet their specific needs. For a more in-depth and technical explanation, please see our website.

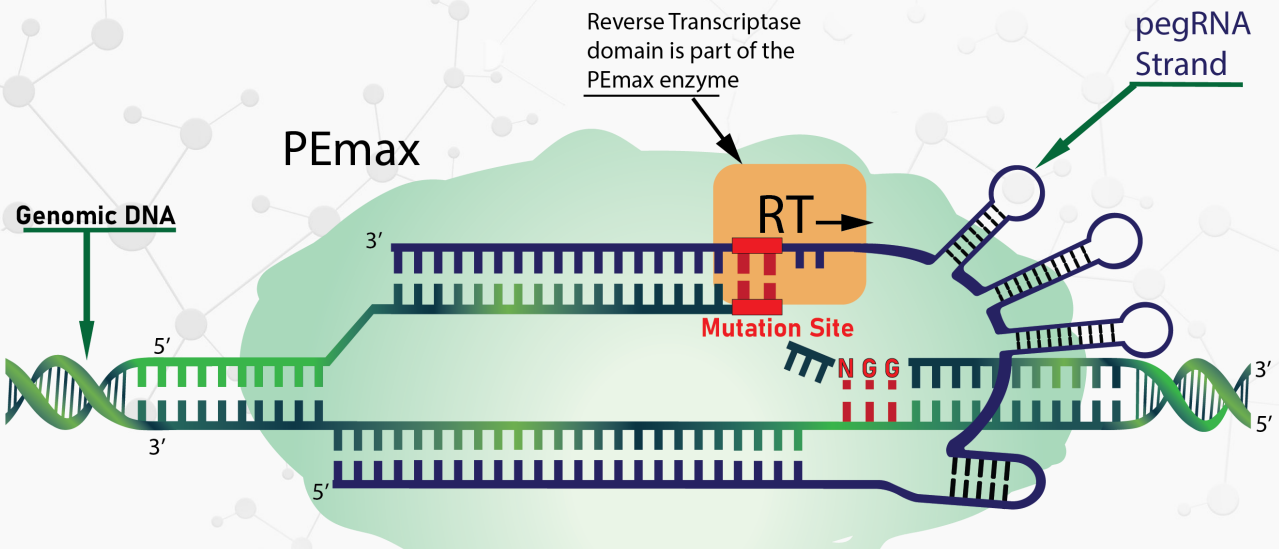
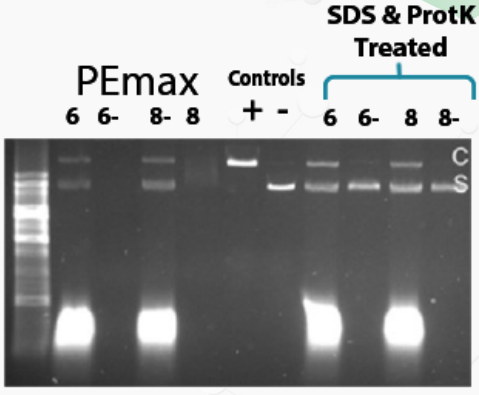


Fig.1: Overview of CRISPR-associated (Cas) system showing a representative prime-editing enzyme oriented with target genomic DNA and pegRNA.



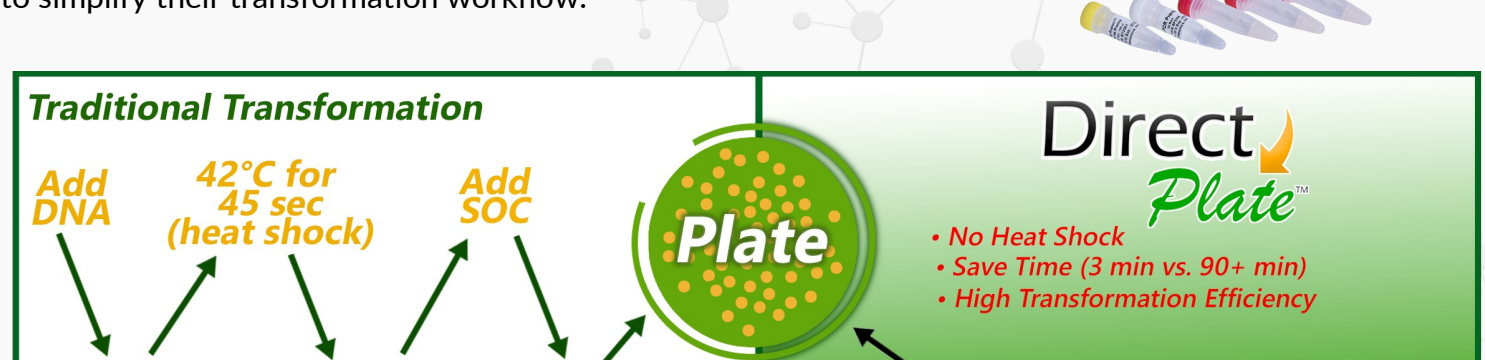
Functional Testing

Fig.2: We have demonstrated that PEmax has specific nicking activity in the presence of an in vitro transcription-synthesized guide pegRNA and has in vitro RT activity*.

*RT data is not shown in this figure.

DirectPlate® Competent Cells

Intact Genomics (ig®) proprietary DirectPlate® chemically competent E. coli cells are the perfect choice for researchers looking to simplify their transformation workflow.



Direct Plate® & Direct Plate XL™ For Larger DNA

Chemically Competent Cells

Product Name	Cat #	Volume	Efficiency
DirectPlate® DH5 -Alpha	1013-12	12x50 µl	≥1.0 x 10^8
	1013-36	36x50 µl	
DirectPlate® 10B	1015-12	12x50 µl	
	1015-36	36x50 µl	
DirectPlate® BL21 (DE3)	1019-12	12x50 µl	
	1019-36	36x50 µl	
DirectPlate® TG1 Phage Display	1024-12	12x50 µl	
	1024-36	36x50 µl	
DirectPlate XL™ 10B	1094-06	6x50 µl	
	1094-36	36x50 µl	

Feature & Benefits

- **Saves Time**
  Transformation in 3 minutes
  Eliminate time-consuming heat shock, lengthy incubations, and outgrowth procedures
- **Easy to Use**
  Chemically Competent Cell
- **Simplified Process**
  Mix & plate*
- **Save Money & Equipment**
  No heat shock
- **Improve Results**
  Robust transformation efficiency
- **Broad Application**
  Various strains available
- **Customization**
  We provide custom DirectPlate® competent cells service for your own strains

*The fast and high efficiency transformation procedure works best for plasmids containing Ampicillin resistant markers.

E. coli & Other Competent Cells

Highest Efficiency | Large Collection of Stains | Variety of Package Sizes & Bulk Options
96 & 384-Well Plates for All Chemically Cells | Custom Competent Cells Services Available

Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
IG® 10B	1011-06	6x50 µl	≥1 x 10^{10}
	1011-12	12x50 µl	
	1011-24	24x50 µl	
	1014-24	6x200 µl	
	1014-48	12x200 µl	
	1014-96	12x8 well strip x50 µl	
	1018-96	96wellx20 µl	
	1011-384	384wellx15 µl	
IG® 5-alpha	1031-06	6x50 µl	≥3.0 x 10^{9}
	1031-12	12x50 µl	
	1031-24	24x50 µl	
	1034-24	6x200 µl	
	1034-48	12x200 µl	
BL21	1041-24	24x50µl	≥1.0 x 10^{9}
IG® BL21 (DE3)	1051-06	6x50 µl	≥1.0 x 10^{9}
	1051-12	12x50 µl	
	1051-24	24x50 µl	
	1054-24	6x200 µl	
BL21 (DE3) pLysS	1056-12	12x50 µl	≥3.0 x 10^{7}
	1056-48	12x200 µl	
IG® Autoinduction	1065-06	6x50 µl	≥1.0 x 10^{9}
	1065-24	24x50 µl	
HB101	1071-12	6x50 µl	≥1.0 x 10^{8}
	1071-48	24x50 µl	
IG® XL1 Blue Max	1023-12	12x50 µl	≥1.0 x 10^{10}
	1023-24	24x50 µl	
JM109	1061-12	6x50 µl	≥1.0 x 10^{8}
	1062-48	12x200 µl	
JM109 (DE3)	1063-24	6x200 µl	≥1.0 x 10^{8}
	1063-48	12x200 µl	
IG® Stable 2	1016-12	12x50 µl	≥1.0 x 10^{9}
	1016-24	24x50 µl	
IG® ccdB Resist™	1069-12	12x50 µl	≥1.0 x 10^{9}
	1069-24	24x50 µl	
ER2738 Phage Display	1017-12	6x100 µl	≥1.0 x 10^{10}
	1017-24	12x100 µl	
MG1655	1076-12	12x50 µl	≥1.0 x 10^{9}
	1076-48	12x200 µl	

Electrocompetent Competent Cells

Cell Name	Cat #	Volume	Efficiency
IG® 10B	1212-12	6x50 µl	≥5.0 x 10^{5}
	1212-24	12x50 µl	
	1214-24	6x100 µl	
	1214-48	12x100 µl	
igMAX™ DH10B	1284-24	6x100 µl	≥5.0 x 10^{5}
IG® 5-alpha	1232-12	6x50 µl	≥2.0 x 10^{10}
	1232-24	12x50 µl	
	1234-48	12x100 µl	
IG® BL21 (DE3)	1252-24	12x50 µl	≥1.0 x 10^{10}
	1252-48	12x100 µl	
BL21 (DE3)pLysS	1256-24	6x100 µl	≥1.0 x 10^{10}
	1256-48	12x100µl	
IG® Autoinduction DE3	1265-12	6x50 µl	≥3.0 x 10^{7}
	1265-48	24x50 µl	
HB101	1271-12	6x50 µl	≥4.0 x 10^{10}
	1271-48	24x50 µl	
IG® XL1 Blue Max	1223-12	6x50 µl	≥5.0 x 10^{10}
	1223-24	12x50 µl	
IG® Stable 2	1216-12	6x50 µl	≥2.0 x 10^{9}
	1216-24	12x50 µl	
IG® ccdB Resist™	1269-12	6x50 µl	≥1.0 x 10^{9}
	1269-24	12x50 µl	
S. aureus RN4220	1294-40	5x200 µl	≥1 x 10^{5}
ER2738 Phage Display	1207-12	6x50 µl	≥4.0 x 10^{10}
	1207-24	12x50 µl	
	1217-24	12x100 µl	
	1217-48	6x100 µl	
SS320 Phage Display	1173-24	12x50 µl	≥5.0 x 10^{10}
	1274-24	6x100 µl	
	1274-48	12x100 µl	
TG1 Phage Display	1263-12	6x50 µl	≥4.0 x 10^{10}
	1263-24	12x50 µl	
	1264-24	6x100 µl	
	1264-48	12x100 µl	

AGROBACTERIUM COMPETENT CELLS

Intact Genomics (IG) is the largest and earliest provider of Agrobacterium competent cells in the market. We offer the highest quality Agrobacterium competent cells to customers and distributors worldwide. We developed the first high-efficiency Agrobacterium chemically competent cells for commercial sale in 2020. Today, we've amassed about 20 different species strains of *A. tumefaciens* and *A. rhizogenes*, providing the largest variety of high-quality *Agrobacterium* competent cells to meet your research needs. The most popular strains are listed below. Contact us for more information.

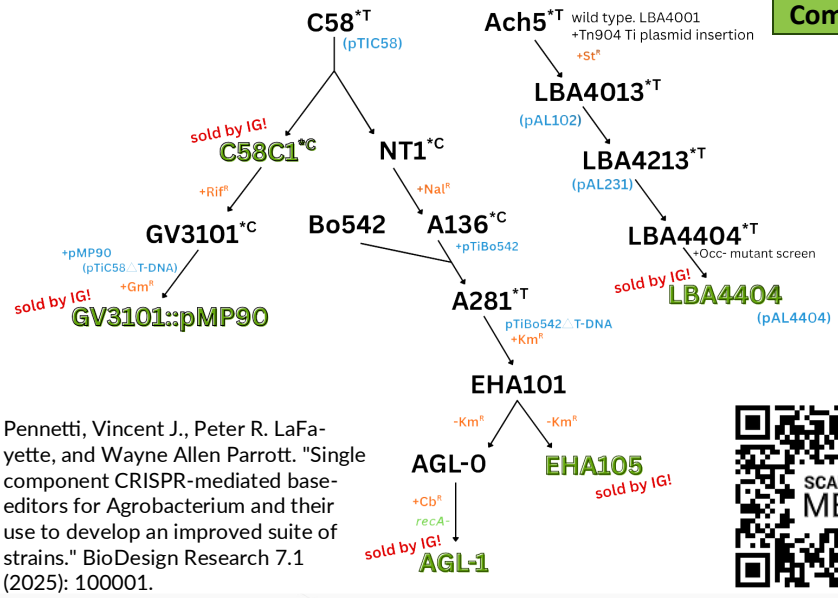
Agrobacterium tumefaciens

Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
GV3101	1082-06	6x50 µl	≥1.0 x 10^5
	1082-10	10x50 µl	
	1082-18	18x50 µl	
AGL1	1083-06	6x50 µl	
	1083-10	10x50 µl	
	1083-18	18x50 µl	
EHA105	1084-06	6x50 µl	
	1084-18	18x50 µl	
LBA4404	1085-06	6x50 µl	
	1085-18	18x50 µl	
C58C1	1086-06	6x50 µl	
	1086-18	18x50 µl	
Combo	1091-12	4x3x50 µl	≥1.0 x 10^5

Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
GV3101	1282-12	6x50 µl	≥1.0 x 10^7
	1282-36	18x50 µl	
GV3101 (pSoup)	1282PS-12	6x50 µl	
GV3101 (pSoup-p19)	1282PS19-12	6x50 µl	
AGL1	1283-12	6x50 µl	
	1283-36	18x50 µl	
EHA105	1284-12	6x50 µl	
	1284-36	18x50 µl	
LBA4404	1285-12	6x50 µl	
	1285-36	18x50 µl	
C58C1	1286-12	10x50 µl	
Combo	1290-24	4x3x50 µl	≥1.0 x 10^7



Pennetti, Vincent J., Peter R. LaFayette, and Wayne Allen Parrott. "Single component CRISPR-mediated base-editors for Agrobacterium and their use to develop an improved suite of strains." BioDesign Research 7.1 (2025): 100001.

SCAN ME

Go To Our Webpage

www.intactgenomics.com 314-942-3655

Agrobacterium rhizogenes

Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
Ar.A4	1072-06	6x50 µl	≥1.0 x 10^5
	1072-18	18x50 µl	
K599	1087-06	6x50 µl	
	1087-18	18x50 µl	
ATCC15834	1075-06	6x50 µl	
	1075-18	18x50 µl	
MSU440	1077-06	6x50 µl	
	1077-18	18x50 µl	

Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
Ar.A4	1272-12	6x50 µl	≥1.0 x 10^5
	1272-36	18x50 µl	
K599	1287-12	6x50 µl	
	1287-36	18x50 µl	
ATCC15834	1275-12	6x50 µl	
	1275-36	18x50 µl	
MSU440	1277-12	6x50 µl	
	1277-36	18x50 µl	

Auxotrophic Agrobacterium Competent Cells

Intact Genomics is the only company that offers both Methionine or Thymidine Auxotrophic Agrobacterium competent cells*. Methionine or Thymidine Auxotrophic Agrobacterium competent cells include modifications so that they will not grow unless methionine or thymidine is added to Minimal medium. This prevents the bacteria from overgrowing plant tissues when used for plant transformation.

Key benefits:

- Enables development of more efficient plant transformation systems
- Reduced bacterial overgrowth during co-cultivation
- Decreased need for antibiotics
- Knocking out genes to cause auxotrophy does not affect transformation capacity

Methionine Auxotrophic Agrobacterium Competent Cells

Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
LBA4404^{Met}	1076-05	5x50 µl	≥1.0 x 10^5
	1076-15	15x50 µl	
EHA105^{Met}	1078-05	5x50 µl	
	1078-15	15x50 µl	

Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
LBA4404^{Met}	1276-10	5x50 µl	≥1.0 x 10^7
	1276-30	15x50 µl	
EHA105^{Met}	1278-10	5x50 µl	
	1278-30	15x50 µl	

**Intact Genomics' Methionine Agrobacterium strains were originally provided by Dr. Wayne Parrott's lab under license from University of Georgia. Thymidine Agrobacterium strains were originally provided by Dr. Kan Wang's lab under license from Iowa State University.*

Thymidine Auxotrophic Agrobacterium Competent Cells

Chemically Competent Cells

Cell Name	Cat #	Volume	Efficiency
EHA101^{Thy}	1302-05	5x50 µl	≥ 1 x 10^3
	1302-15	15x50 µl	
EHA105^{Thy}	1304-05	5x50 µl	
	1304-15	15x50 µl	
EHA105D^{Thy}	1306-05	5x50 µl	
	1306-15	15x50 µl	

Electrocompetent Cells

Cell Name	Cat #	Volume	Efficiency
EHA101^{Thy}	1402-10	5x50 µl	≥ 1 x 10^3
	1402-30	15x50 µl	
EHA105^{Thy}	1404-10	5x50 µl	
	1404-30	15x50 µl	
EHA105D^{Thy}	1406-10	5x50 µl	
	1406-30	15x50 µl	

Simplified Cloning Kits & Enzymes

Intact Genomics endeavors to develop ground breaking technologies in molecular cloning. Our proprietary Quick10® and igFusion™ Cloning Kits make the cloning workflow simpler, faster and more efficient that saves your precious time and resources. Contact us for your custom cloning needs!

Product Name	Cat #	Pkg Size	Vol
Quick10™ Cloning Kit	4122	6 rxns	
ig-Fusion™ Cloning Kit	4111	10 rxns	
	4115	50 rxns	
	4117	100 rxns	
ig-Fusion™ Cloning Enzyme Premix	4111-1	10 rxns	
	4115-1	50 rxns	
	4117-1	100 rxns	
T4 DNA Ligase	3212	100,000 rxns	400 U/µl
	3216	100,000 rxns	2,000 U/µl
	3217	400,000 rxns	

Product Name	Cat #	Pkg	Vol
Taq DNA Ligase	3218	2,000 units	50 µl
	3219	10,000 units	250 µl
T4 Polynucleotide Kinase (PNK)	3232	2500 units	
T4 DNA Polymerase	3222	500 units	

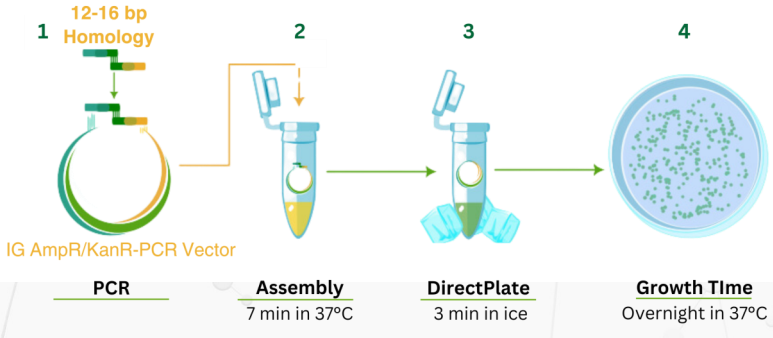
Why Choose IG Quick10™ Kit ?

Key Features & Benefits

- Combination of high fidelity PCR, assembly, and DirectPlate® transformation cloning technologies.
- Combination of homologous assembly and ccdB selection, displays <1% false-positive clones or nearly 100% cloning accuracy.
- Assembled/transformed in 10 minutes. Less time and less effort are spent on cloning, transformation, and positive clone screening/identification.

QUICK10™ Cloning Kit

DNA assembly & transformation in 10 minutes



Applications

- Streamlined cloning of one or two (<6 kb total) DNA fragments
- Single PCR product cloning
- Site-directed mutagenesis
- High throughput cloning

Single selection vector or custom vector available upon request

New

DIRECT CAPTURE OF LARGE DNA FRAGMENTS - DCLD™ TECHNOLOGIES

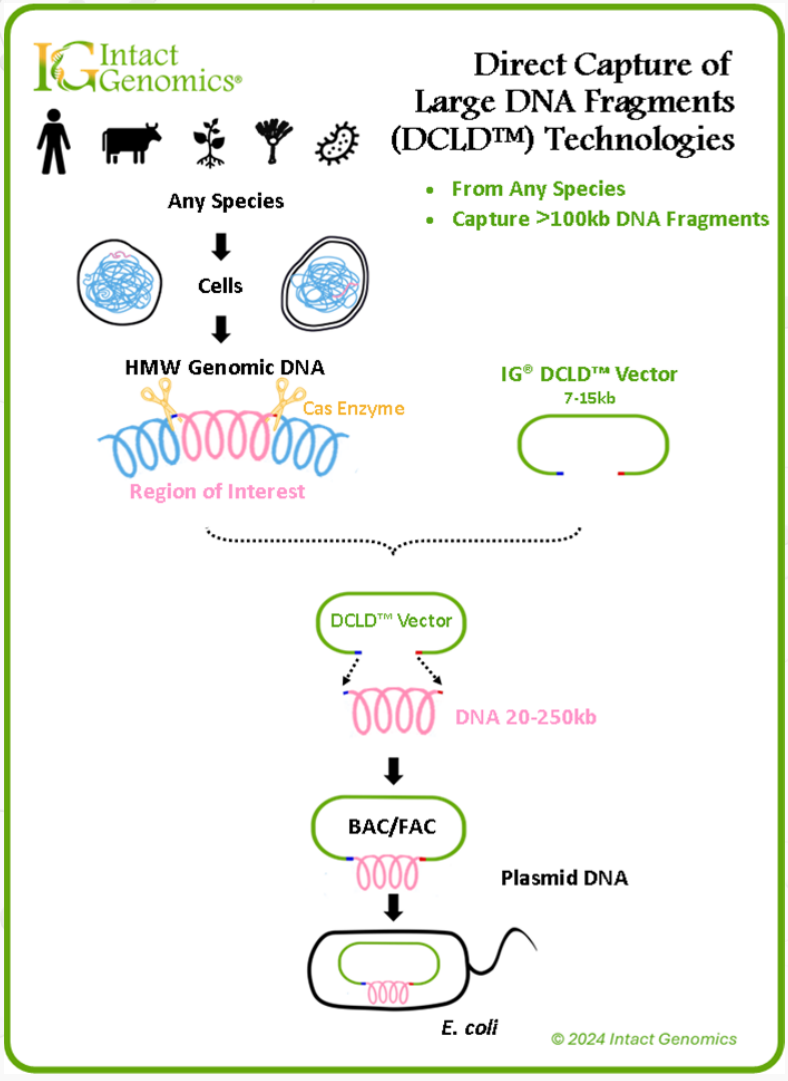
The newly developed **Direct Capture of Large Intact Genomic DNA** technologies (DCLD™ technologies) from Intact Genomics are powerful tools in genomic research that enable selective and efficient isolation of large genomic regions, including full-length genes from complex genomes. This technique can directly capture specific DNA sequences from any species, making it invaluable for the development of biotechnology, biotherapeutics, and personalized healthcare.

Feature & Benefits

- **Comprehensive** - Direct capture of large DNA fragments from any species
- **Efficient** - No need to build and screen DNA libraries
- **Fast** - Cuts 1-2 years to 2-4 weeks
- **Cost-Effective** - Uses less materials and storage space
- **Accurate** - Only target fragments are captured. Avoids errors from library contamination and false screening results
- **Scalable** - Repeatable & easy to expand

Applications

- Studying Genomic Regions of Many Species
- Functional Genomics
- Disease Studies with Patient Samples
- Gene Therapy
- Discover Lead Compounds for Drug Development
- Synthetic Biology



Service Name	Cat #
Direct Capture of Large DNA Fragment	9666
Custom Vector Construction	9630
Custom Primers Design	9634
HMW DNA Preparation	9010

Expert Support: Our team is available to assist you at every stage, from initial design to final analysis, ensuring your project's success.

Contact us today!

Sales@intactgenomics.com

Custom Competent Cells, Enzymes & Proteins

The scientists at Intact Genomics are the premier experts in competent cells and proteins/enzymes production. Our highly experienced team of scientists provide outstanding personalized service, fast turnaround times, and the most reasonable prices in the industry.

As an ISO 13485:2016 certified business, we take pride in what we do and how we do it. Each new lot of our products is tested to ensure they meet the quality standards and specifications designated for the product. From complex research and development to mass production, we are your go-to for your next big project.

Service Name	Cat #
Custom Competent Cells	9660
Custom Proteins/Enzymes	9680
RPA Enzymes Customization	9688

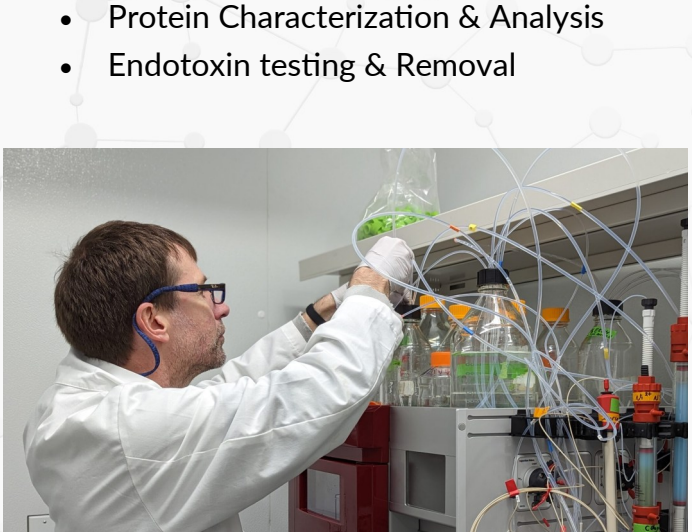
High-Quality Custom Competent Cells

- **Any Strain** – Custom Competent Cells from any E. coli or other strain
- **Format Flexibility** – You choose the aliquot size, tube, or 96 well plate
- **High Transformation efficiency** – Proprietary methods ensure cells provide the highest efficiency
- **Affordable Pricing** – Save customer time & costs
- **Quick Turnaround** – Receive your strain, optimize transformation and provide results within a week

*Please contact **sales@intactgenomics.com** for a no-obligation, custom service request*

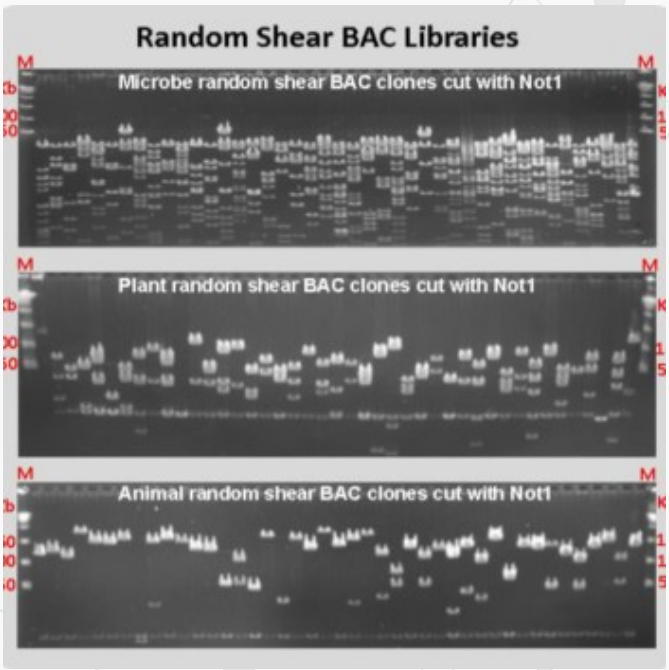
End–to-end Protein Expression & Purification

- Vector construction
- Expression optimization
- Purification by AKTA FPLC
- Protein Characterization & Analysis
- Endotoxin testing & Removal



DNA PREPARATION, LIBRARY CONSTRUCTION & SCREENING

Intact Genomics (IG®) is a world leader in large DNA fragment cloning and metagenomic technologies. We provide high-quality custom genomics services including DNA preparation, large insert DNA cloning, manipulation, BAC library construction and screening services to help scientists explore the genome structure and function of microorganisms, plants and animal species.

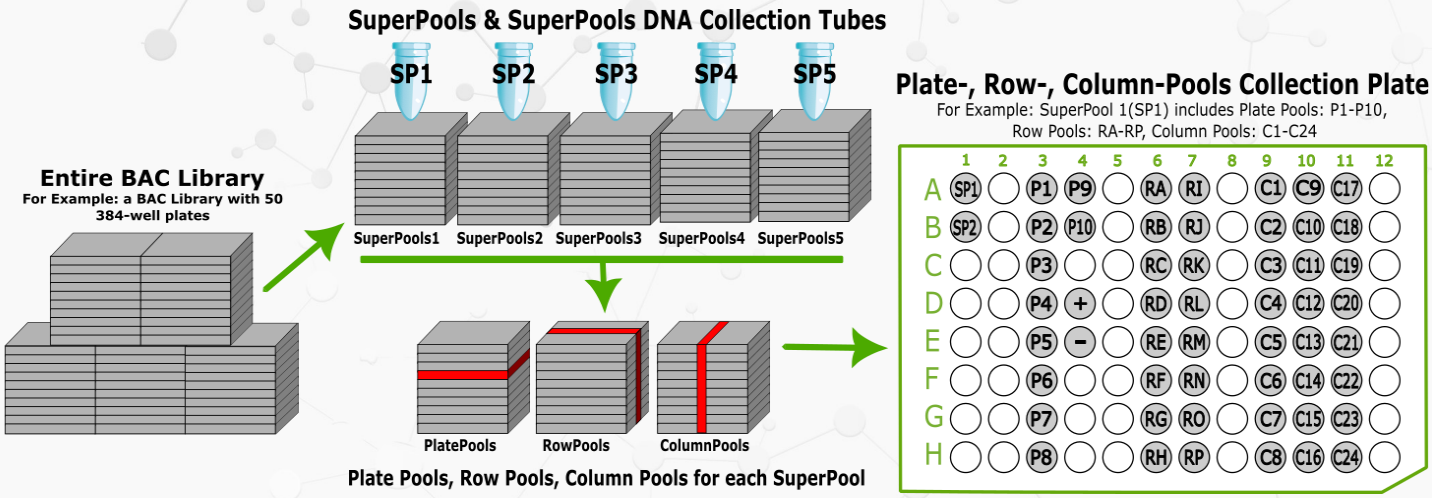


IG® Unbiased Random Shear BAC libraries without gaps, complete coverage, dramatically reduced finishing costs.

Service Name	Cat #
HMW DNA Preparation	9010
BAC DNA Preparation	9011
High-Throughput DNA Preparation	9012
Custom Vector Construction	9630
Random Shear BAC Library	9021
Partial Digestion BAC Library	9022
Fosmid Library	9023
BAC Engineering	9620
Large-Insert DNA Cloning and Manipulation	9610
Colony Picking	9031
Colony Duplication	9032
3D DNA Pools	9034

3D DNA Pools for Library Screening

Find your targeted clone in as few at 51 PCR reactions | No radioactivity needed | Fast, simple and accurate

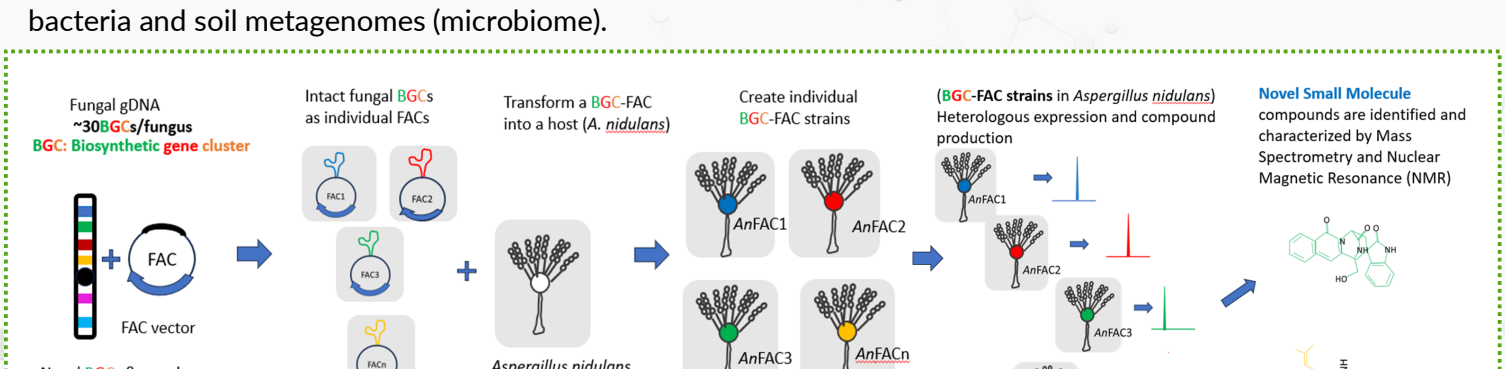


Contact us today to speak with our experts!

Fungal Artificial Chromosome (FAC)

Novel drug, antimicrobial discovery pipeline from fungi

Scientists at Intact Genomics and our collaborators have developed a breakthrough technology (fungal artificial chromosome, FAC), which has the potential to revive natural product discovery and new thinking of synthetic biology for agriculture, pharmaceutical, bioenergy, environmental protection, and many other industries. The innovative FAC technology is capable to capture 50,000~1,000,000 full-length fungal SM pathways, enable precisely silent SM pathway editing, and access one million fungal SM compounds. Similarly, Intact Genomics has developed a shuttle BAC technology enabling the capture of 50,000~1,000,000 full-length SM pathways from bacteria and soil metagenomes (microbiome).



Awarded **U.S. Patent No. 10,337,019** (2019) and **China Patent No. 201710302226.0** (2022)

Intact Genomics invented the Fungal Artificial Chromosome (FAC) which was highlighted as the Nature Chemical Biology cover paper in August 2017. FAC technology can capture large DNA fragments up to 300 kb and shuttle them into advanced or engineered fungal hosts for heterologous expression. This enables robust production and rapid identification of fungal secondary metabolite compounds.

Random Shear BAC Libraries Constructed by Our Experts

Order, Return & Warranty

Easy to Order

- Order online within the USA. You may place orders on our website: www.intactgenomics.com
- Order by email, phone, or fax:
  Email: sales@intactgenomics.com **Phone:** 1-314-942-3655 **Fax:** 1-314-942-3656
- Order via our distributors

When placing your order, for new customers, please provide the following:

1). Institution or company, your name, phone number, email address
2). Billing address and shipping address
3). Catalog number, product name, package size and quantity
4). Valid purchase order number or credit/debit card information

For returning customers, please provide:

- Your account number (found on a previous invoice)
- The information outlined in Items 3 and 4 above

Payment

We accept ACH transfers, checks, major credit cards (Visa, MasterCard, American Express, and Discover), PayPal, and wire transfers. For purchase orders, payment terms are Net 30 (due within 30 days).

Shipping Policy

All our products are shipped on dry ice by FedEx overnight delivery. The shipping and dry ice packaging cost is $60 for your entire order in the 48 contiguous United States in 2026. For customers from other states or other countries, we will contact you with the estimated shipping cost and delivery time.

Return Policy

At Intact Genomics, we stand behind the quality of our products. If you receive an item that is damaged or defective, you may return it within 30 days of delivery for a full refund or replacement. To initiate a return, please contact our customer service team with details of the issue and proof of purchase.

Warranty and Limit of Liability

Intact Genomics warrants that the products meet or exceed the stated specifications and performance standards. Intact Genomics shall have no liability for direct, indirect, consequential, or incidental damage arising from the use or inability to use its products. The total liability of Intact Genomics will not exceed the purchase costs of the products or services.

Privacy Policy

Intact Genomics is committed to respecting your privacy. We only collect your information to process your requests and transactions. We do not sell, rent, or otherwise transfer the information you provide us to any unrelated third parties.

For more information, please visit our webpage https://intactgenomics.com/support/order-shipping-information/

Thank you for choosing Intact Genomics. We look forward to working with you and your team!

All products are developed, manufactured and shipped from our laboratories in St. Louis, Missouri, USA

Bulk prices, free samples, custom products, OEM & partnership opportunities available

We are also available from:

fisher scientific part of Thermo Fisher Scientific
vwr part of avantor
Science Exchange
MIDSCI Laboratory Equipment & Supplies
QUARTZY
INTRAMALLS
Genesee Scientific A Life Science Company
Thomas Scientific
JAGGAER
ZAGENO