

# Trusted Partner

for

## Enzyme and Protein Production & OEM Manufacturing



ISO 13485:2016  
Certified Quality



Rapid  
Turnaround



Competitive  
Bulk Pricing



Scalable &  
Flexible



Made in  
St. Louis, USA

## Intact Genomics' Enzymes and Kits

Product	Catalog #	Description
<b>Ligases</b>		
T4 DNA Ligase	3212	Industry standard DNA ligase for cloning, T/A adapter ligation
Taq DNA Ligase	3218	Thermostable, use for mutation detection and in assays requiring high-specificity
Tth DNA Ligase	3223	Thermostable, use for higher-temperature, higher-fidelity ligations than Taq ligase
RNA Ligase 1	Custom	Ligase for labeling RNA 3'-end or joining 3' RNA to 5' end of ssDNA or RNA
RNA Ligase 2, Truncated	Custom	Ligase for 5' adenylated RNA or DNA substrate to 3' end of RNA
<b>RPA (Recombinase Polymerase Amplification) Enzymes, Proteins &amp; Kits</b>		
IG® RPA Master Mix	3545	Newest and simplest master mix version of our most advanced RPA kit
IG® RPA Kit v2	3533	An improved IG® Recombinase Polymerase Amplification Version 2 Kit
FastAmp® qRPA SYBR Kit	3611	A powerful tool to screen primer conditions for the lowest possible non-template control (NTC) background
FastAmp® Plant Direct RPA Kit	3621	Offers a fast, robust method for amplifying DNA fragments from plant tissues at a single and constant temperature (37°C) using RPA technology
T4 UvsX Recombinase	3562	Aids DNA polymerase at primer binding sites
T4 UvsY Protein	3572	The phage T4 recombination mediator protein that works with UvsX
T4 gp32 Protein	3511	Single-stranded DNA binding protein required for T4 DNA replication, recombination, and repair, it reduces oligo secondary structure for PCR & RPA
Bsu DNA Polymerase	3582	Most popular strand-displacing DNA polymerase for RPA assay applications
Sau DNA Polymerase	3592	Alternative DNA polymerase for RPA assay applications
Engineered Bst 2.1 & 3.3 DNA Polymerase	Custom	Useful polymerases for extending primers in isothermal reactions, especially LAMP
Phi29 DNA Polymerase	Custom	High fidelity and extreme processivity polymerase used in multiple displacement amplification for whole genome, single cell, IMCR-seq, etc. applications
FastAmp® DNA, RNA, and Cell Solution	4630	Streamlines sample collection, storage and amplification by isothermal RPA
<b>Nucleases</b>		
Exonuclease I	3405	Single-stranded DNA exonuclease
Exonuclease III	3412	Exonuclease for digestion of linear, double-stranded DNA
T5 Exonuclease	3374	Digests single & double-stranded DNA and nicked plasmid DNA in the 5' to 3' direction, leaves circular double-stranded DNA plasmid without nicks
T7 Endonuclease I	3610	Senses mismatches in DNA nucleotide base-pairs, cleaves each strand of DNA 5' to sites with mismatches
Endonuclease IV (Nfo)	3422	An apurinic/apyrimidinic DNA endonuclease and a 3'-terminal diesterase

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<b>Reverse Transcriptase Enzymes and Kits</b>		
RNase Inhibitor, Murine	3712	Inhibit and control RNase contaminants in RNA-enzymatic reactions
igScript™ Reverse Transcriptase	3342	A recombinant Moloney Murine Leukemia Virus (MMLV) reverse transcriptase with reduced RNase H activity, generate cDNA from RNA
igScript™ First Strand cDNA Synthesis Kit	4312	First strand cDNA synthesis for PCR or RT-PCR, active at 55°C
igScript™ One Step RT-PCR Kit	4211	Single tube option for reverse transcriptase PCR reactions
igScript™ One Step RT-qPCR Kit	4214	Single tube option for robust SYBR-Based RT-qPCR reactions
igScript™ Probe-Based One Step RT-qPCR Kit	4212	User adds their probe, primer and template to a master mix in a single tube option for robust probe-based RT-qPCR.
T7 RNA Polymerase	3292	Useful for sgRNA and mRNA synthesis, RNA synthesis from DNA templates and applications in RNA production
<b>PCR &amp; qPCR Enzymes and Kits</b>		
SYBR Green qPCR 2X Master Mix	3354	Ready-to-use qPCR cocktail containing all components except primers and template
igScript™ Probe-Based qPCR Master Mix	4233	User adds their probe, primer and template to a master mix with improved qPCR efficiency, wider dynamic range, superior sensitivity and specificity
i7® High-Fidelity DNA Polymerase	3254	DNA polymerase with high fidelity, sensitivity, and processivity. It has an error rate $\sim 2.8 \times 10^2$ fold lower than Taq DNA polymerase
i7® High-Fidelity DNA Polymerase 2X Master Mix	3257	Convenient master mix format of our high-fidelity polymerase
Pfu 2X Master Mix	3326	Affordable and high-performance, high-fidelity polymerase
Taq DNA Polymerase	3243	For robust and affordable PCR
Taq DNA Polymerase 2X Premix	3249	Convenient Master Mix format of our robust Taq DNA Polymerase
Hot Start Taq 2X Master Mix	3296	For increasing PCR specificity and sensitivity
FastAmp® Plant Direct PCR Kit	4612	Suitable for amplification of DNA directly from plant samples without purifying DNA
<b>Cloning Kits and Enzyme Mix</b>		
Quick10™ Cloning Kit	4122	Enables DNA assembly, <i>E. coli</i> transformation, plating in 10 Minutes
ig-Fusion™ Cloning Kit	4111	Seamlessly clone linear DNA into linearized vectors using the highly efficient Gibson assembly method. Able to clone 5 fragments simultaneously
ig-Hot Fusion™ Cloning Kit	Custom	Seamlessly clone linear DNA into linearized vectors using the highly efficient fusion assembly method. Able to clone 5 fragments simultaneously
IG DNA End Repair Mix	Custom	Repair DNA ends as phosphorylated and blunt ends
<b>Gene Editing Enzymes</b>		
Cas9 Nuclease	3270	High-precision gene editing with a blunt-end cut
Cas12a Nuclease	3370	High-precision gene editing with a sticky-end cut
PEmax Enzyme	3473	Cas9 nickase mutant (H840A)-MMLV-Reverse Transcriptase fusion protein with a nuclear localization signal site

### Enzymes available in glycerol-free, lyophilization-ready formulations

T4 UvsX Recombinase	T4 UvsY Protein	T4 gp32 Protein	Bsu DNA Polymerase
Sau DNA Polymerase	Bst 2.1 DNA Polymerase	Bst 3.3 DNA Polymerase	Phi29 DNA Polymerase
RNase Inhibitor, Murine	Reverse Transcriptase	Taq DNA Ligase	Tth DNA Ligase

Explore more products at our website: [www.intactgenomics.com](http://www.intactgenomics.com)

[Email our experts](mailto:sales@intactgenomics.com) now to discuss your custom enzyme or assay optimization needs.