

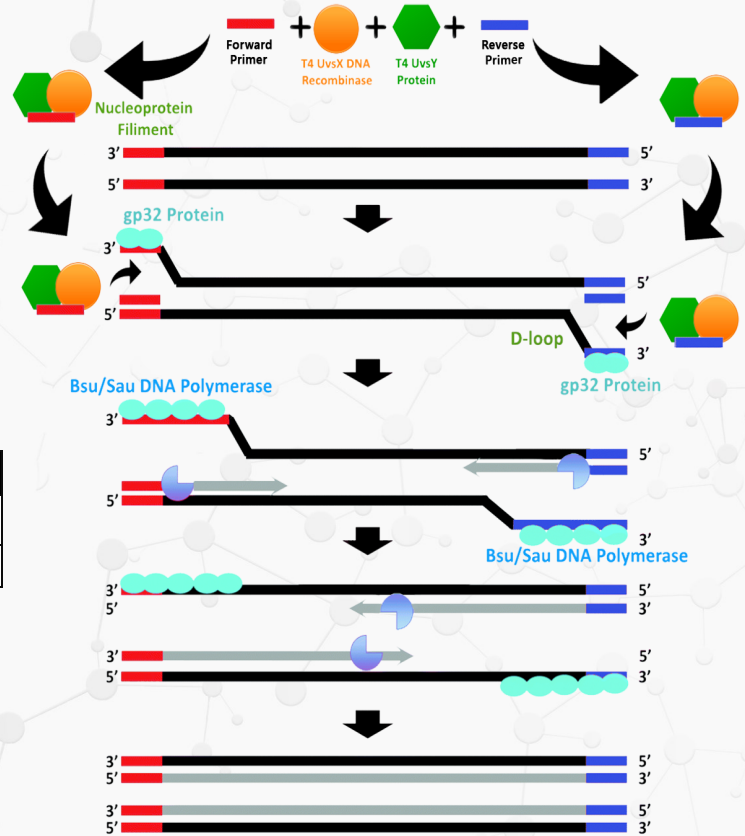
RPA

RECOMBINASE POLYMERASE AMPLIFICATION

Applications & Benefits

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

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. RPA amplifies DNA at a constant temperature (25-42°C) using a recombinase enzyme, primers, a single-stranded DNA binding protein (SSB), and a strand-displacing DNA polymerase.



RPA vs PCR

Technique	Typical Incubation Temp (°C)	Incubation
RPA	25°C, 37°C or 42°C	10-20 mins
PCR	Thermocycler (94°C - 55°C - 72°C)	45-180 mins

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	10 µg/µl
	3516	500 units	
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	

Product Name	Cat #	Pkg Size
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

RPA ENZYMES & FastAmp® Solutions

For Rapid Test Assays Development

Intact Genomics provides excellent tools for RPA optimization. High-quality enzymes in convenient formats (Regular, Glycerol-free or Lyophilized) and FastAmp® cell/viral lysis solutions and kits 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!

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	3562Ly0	100 µg	
	3565Ly0	500 µg	
	3567Ly0	1000 µg	
Glycerol-Free T4 UvsY Protein	3572GF	100 µg	2µg/µl
	3575GF	500 µg	
	3577GF	1000 µg	
Lyophilized T4 UvsY Protein	3572Ly0	100 µg	
	3575Ly0	500 µg	
	3577Ly0	1000 µg	
Glycerol-Free T4 gp32 Protein	3513GF	250 µg	10µg/µl
	3516GF	500 µg	
	3519GF	1000 µg	
Lyophilized T4 gp32 Protein	3513Ly0	250 µg	
	3516Ly0	500 µg	
	3519Ly0	1000 µg	
Glycerol-Free Bsu DNA Polymerase	3582GF	200 units	5 units/µl
	3585GF	1000 units	
Lyophilized Bsu DNA Polymerase	3582Ly0	200 units	
	3585Ly0	1000 units	

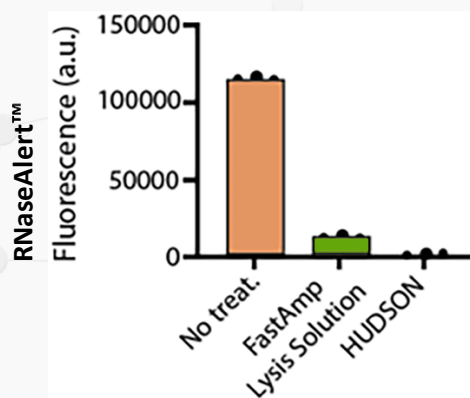
RPA Related Products	Cat #	Pkg Size	Conc.
Exonuclease III	3412	10000 units	100 units/µl
	3415	25000 units	
Endonuclease IV (Nfo)	3422	2000 units	10 units/µl
	3425	5000 units	

FastAmp® SOLUTIONS

Key Features & 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

RNase Inactivated 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® for RPA	Cat #	Pkg Size
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

OEM, Partnerships & Bulk Orders Discounts Available