Catalog number RG-PHUS

High-Fidelity Hot-Start Polymerase, Pfu-Sso7d Fusion (2 units/µL)

Pyrococcus-type proofreading polymerase fused to the Sso7d dsDNA-binding domain, which raises processivity and allows short extension times for fast, high-fidelity amplification.

Specification

Enzyme class	DNA polymerase, family B, 3'->5' exonuclease (proofreading, Sso7d fusion)
Concentration	2 units/µL
Unit definition	1 unit incorporates 10 nmol dNTP into acid-insoluble material in 30 min at 74 °C.
Activity assay	primer extension incorporation assay, activated salmon-sperm DNA template
Supplied buffer	5x HF buffer and 5x GC buffer supplied; MgCl2 included in both buffers
Molecular weight	96 kDa (SDS-PAGE)
Hot start	Yes
Thermostable	Yes
Applications	high-fidelity PCR, cloning, site-directed mutagenesis, NGS library prep
Storage	-20 °C

Ordering

Catalog no.	Pack	List price	Availability
RG-PHUS-100U	100 units	$45	Waitlist
RG-PHUS-500U	500 units	$175	Waitlist
RG-PHUS-2000U	2,000 units	$570	Waitlist

Storage and shipping

Cold chain	2 to 8 °C on conditioned gel packs.
Hazard classification	None
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

RG-PHUS continued

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.