

Recombinant Human POLA1 protein, His-tagged

Cat. No. POLA1-2944H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLA1 protein(1-217 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-217 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MAPVHGDDSLSDSGSFVSSRARREKKSKKGRQEALERLKKAKAGEKYKYEVEDFT GVYEEVDDEEQYSKLVQARQDDDWIVDDDGIGYVEDGREIFDDDLLEDDALDADEKKGK DGKARNKDKRNVKKLAVTKPNNIKSMFIACAGKKTADKAVDLSKDGLLGDLQDLNT ETPQITPPPVMLKKKRSIGASPNPFSVHTATAVPSGKIASPVSKEPP
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name	POLA1 polymerase (DNA directed), alpha 1, catalytic subunit [Homo sapiens]
Official Symbol	POLA1
Synonyms	POLA1; polymerase (DNA directed), alpha 1, catalytic subunit; POLA, polymerase (DNA directed), alpha , polymerase (DNA directed), alpha 1; DNA polymerase alpha catalytic subunit; p180; DNA polymerase alpha p180 subunit; polymerase (DNA-directed), alpha (70kD); DNA polymerase alpha 1 catalytic subunit; DNA polymerase alpha catalytic subunit p180; POLA; DKFZp686K1672;
Gene ID	5422
mRNA Refseq	NM_016937
Protein Refseq	NP_058633
MIM	312040
UniProt ID	P09884

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