

Recombinant Human POLRMT protein, His-tagged

Cat. No. POLRMT-1853H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLRMT protein(282-405 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	282-405 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	YVLFMVKDAGLTPDLLSYAAALQCMGRQDQDAGTIERCLEQMSQEGLKLQALFTAV LLSEEDRATVLKAVHKVKPTFSLPPQLPPPVNTSKLLRDVYAKDGRVSYPKLHLPLKT LQCLFEKQLH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	POLRMT polymerase (RNA) mitochondrial (DNA directed) [Homo sapiens]
Official Symbol	POLRMT
Synonyms	POLRMT; polymerase (RNA) mitochondrial (DNA directed); DNA-directed RNA polymerase, mitochondrial; APOLMT; h mtRPOL; MTRNAP; MTRPOL; h-mtRPOL;
Gene ID	5442
mRNA Refseq	NM_005035
Protein Refseq	NP_005026
MIM	601778
UniProt ID	O00411

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