

Recombinant Human POLG, GST-tagged

Cat. No. POLG-1832H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	888-1239aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	POLG polymerase (DNA directed), gamma [Homo sapiens]
Official Symbol	POLG
Synonyms	POLG; polymerase (DNA directed), gamma; DNA polymerase subunit gamma-1; POLG1; POLGA; PolG-alpha; PolG, catalytic subunit; mitochondrial DNA polymerase catalytic subunit; PEO; MDP1; SCAE; MIRAS; SANDO; MTDPS4A; MTDPS4B; FLJ27114;

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Gene ID	5428
mRNA Refseq	NM_001126131
Protein Refseq	NP_001119603
MIM	174763
UniProt ID	P54098
Chromosome Location	15q24
Pathway	DNA polymerase gamma complex, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Nucleotide Metabolism, organism-specific biosystem;
Function	DNA binding; DNA-directed DNA polymerase activity; chromatin binding; exonuclease activity; nucleotidyltransferase activity; protease binding; protein binding; transferase activity;

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