

Recombinant Human POLG2 Protein (1-485 aa), His-SUMO-tagged

Cat. No. POLG2-1147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLG2 Protein (1-485 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-485 aa
Description	Mitochondrial polymerase processivity subunit. Stimulates the polymerase and exonuclease activities, and increases the processivity of the enzyme. Binds to ss-DNA.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	70.9 kDa
AA Sequence	MRSRVAVRACHKVCRCLLSGFGGRVDAGQPELLTERSSPKGGHVKSHAELEGNGE HPEAPGSGEGSEALLEICQRRHFLSGSKQQLSRDSLLSGCHPGFGPLGVELRKNLA AEWWTSVVVFREQVFPVDALHHKPGPLPGDSAFRLVSAETLREILQDKELSKEQLV AFLENVLKTSGKLRENLLHGALEHYVNCLDLVNRKLPYGLAQIGVCFHPVFDTKQIRN GVKSIGEKTEASLVWFTPPRTSNQWLDLFWLRHRLQWWRFAMSPSNFSSSDCQD EEGRKGKNKLYNFPWKGELIETLWNLGDHELLHMYPGNVSKLHGRDGRKNVPCV

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LSVNGDLDRGMLAYLYDSFQLTENSFTRKKNLHRKVLKLHPCLAPIKVALDVGRGPT
LELRQVCQGLFNELLENGISVWPGYLETMQSSLEQLYSKYDEMSILFTVLVTETTLEN
GLIHLRSRDTTMKEMMHISKCLKDFLIKYISSAKNV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name POLG2 polymerase (DNA directed), gamma 2, accessory subunit [Homo sapiens]

Official Symbol POLG2

Synonyms POLG2; HP55; MTPOLB; p55; POLB; PEOA4; POLGB; POLG-BETA;

Gene ID 11232

mRNA Refseq NM_007215

Protein Refseq NP_009146

MIM 604983

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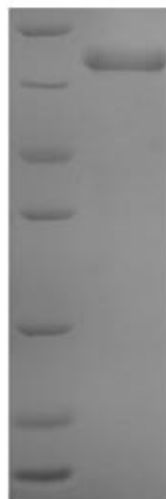
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UniProt ID

Q9UHN1

116 kDa
66.2 kDa
45 kDa
35 kDa
25 kDa
18.4 kDa
14.4 kDa



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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