Recombinant Human POLG2 protein, His-tagged

Cat. No. POLG2-117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLG2 protein(NP_009146)(1-335 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-335 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
AA Sequence	MSKRKAPQETLNGGITDMLTELANFEKNVSQAIHKYNAYRKAASVIAKYPHKIKSGAE AKKLPGVGTKIAEKIDEFLATGKLRKLEKIRQDDTSSSINFLTRVSGIGPSAARKFVDE GIKTLEDLRKNEDKLNHHQRIGLKYFGDFEKRIPREEMLQMQDIVLNEVKKVDSEYIA TVCGSFRRGAESSGDMDVLLTHPSFTSESTKQPKLLHQVVEQLQKVHFITDTLSKGE TKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYFTGSDIFNKNMRAHALEK GFTINEYTIRPLGVTGVAGEPLPVDSEKDIFDYIQWKYREPKDRSE
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Aliquot and store at -20°C to -80°C for up to 6 months. Avoid repeat freeze-thaw cycles.

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Concentration	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Reconstitution	Reconstitute at 0.25 ḡ/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	POLG2 polymerase (DNA directed), gamma 2, accessory subunit [Homo sapiens]
Official Symbol	POLG2
Synonyms	POLG2; polymerase (DNA directed), gamma 2, accessory subunit; DNA polymerase subunit gamma-2, mitochondrial; HP55; MTPOLB; p55; mitochondrial DNA polymerase subunit gamma-2; DNA polymerase gamma accessory 55 kDa subunit; mitochondrial DNA polymerase accessory subunit; mitochondrial DNA polymerase, accessory subunit; POLB; PEOA4; POLGB; POLG-BETA;
Gene ID	11232
mRNA Refseq	NM_007215
Protein Refseq	NP_009146
MIM	604983
UniProt ID	Q9UHN1

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