

Recombinant Human POLQ protein, His-tagged

Cat. No. POLQ-4543H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLQ protein(O75417)(1820-2590aa), fused with C-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1820-2590aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	87.5 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

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AA Sequence

SSSESLSIIDVASDQNLFQTFIKEWRCCKRFSISLACEKIRSLTSSKTATIGSRFKQASS
PQEIPRDDGFPKGCDDTLVVGLAVCWGGRDAYYFSLQKEQKHSEISASLVPPSLD
PSLTLKDRMWYLQSCLRKESDKECSVVIYDFIQSYKILLSCGISLEQSYEDPKVACW
LLDPDSQEPTLHSIVTSFLPHELPLLEGMENTSQGIQSLGLNAGSEHSGRYRASVESILI
FNSMNQLNSLLQKENLQDVFRKVEmpsQYCLALLELNGIGFSTAECESQKHIMQAKL
DAIETQAYQLAGHSFSFTSSDDIAEVLFLELKLPPNREMKNQGSKKTGSTRRGIDN
GRKLRLGRQFSTSKDVLNKLKALHPLGLILEWRRITNAITKVVFPLQREKCLNPFLG
MERIYPVSQSHTATGRITFTEPNIQNVPRDFEIKMPTLVGESPPSQAVGKGLLPMPGR
GKYKKGFSVNPRCQAQMEERAADRGMPFSISMRHAFVFPFGGSILAADYSQLELRI
LAHLSHDRRLIQVLNTGADVFRSIAAEWKMIEPESVGDDLRRQQAQKICYGIIYGMGAK
SLGEQMGIKENDAACYIDSFKSRYTGINQFMTETVKNCKRDGFVQTLGRRRYLPGI
KDNNPYRKAHAERQAINIVQGSAAIVKIATVNIQKQLETFHSTFKSHGHREGMLQS
DQTGLSRKRKLQGMFCPIRGFFILQLHDELLYEVAEEDVVQVAQIVKNEMESAVKL
SVKLKVVKIGASWGELKDFDV

GENE INFORMATION

Gene Name POLQ polymerase (DNA directed), theta [Homo sapiens]

Official Symbol POLQ

Synonyms POLQ; polymerase (DNA directed), theta; DNA polymerase theta; POLH; DNA polymerase eta; PRO0327; DKFZp781A0112;

Gene ID 10721

mRNA Refseq NM_199420

Protein Refseq NP_955452

MIM 604419

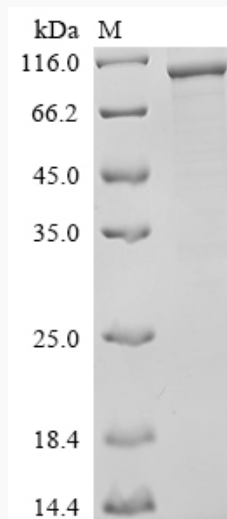
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UniProt ID

O75417

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