

Recombinant Human POLQ protein, His-tagged

Cat. No. POLQ-3522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLQ protein(O75417)(1792-2590aa), fused with C-terminal His tag, was expressed in Insect cells.
Species	Human
Source	Insect cells
ProteinLength	1792-2590aa
Tag	C-His
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	92.3 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

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concentration) and aliquot for long-term storage at -20°C/-80°C.

AA Sequence

GFKDNSPISDTSFSLQLSQDGLQLTPASSSESLSIIDVASDQNLFTFIKEWRCKKR
 FSISLACEKIRSLTSSKTATIGSRFKQASSPQEIPRDDGFPIKGCDTLVVGLAVCWG
 GRDAYYFSLQKEQKHSEISASLVPPSLDPSLTLKDRMWYLQSCLRKESDKECSVVIY
 DFIQSYKILLSCGISLEQSYEDPKVACWLLDPDSQEPTLHSIVTSFLPHELPLLEGME
 TSQGIQSLGLNAGSEHSGRYRASVESILIFNSMNQLNSLLQKENLQDVFRKVEMPSQ
 YCLALLELNGIGFSTAECESQKHIMQAKLDAIETQAYQLAGHSFSFTSSDDIAEVLFLF
 LKLPNREMKNQGSKKTGSTRRGIDNGRKLRLGRQFSTSKDVLNKLKALHPLPLGLI
 LEWRRITNAITKVVFPQLQREKCLNPFLGMERIYPVSQSHTATGRITFTEPNIQNVPRD
 FEIKMPTLVGESPPSQAVGKGLLPMGRGKYKGFSVNPRCQAQMEERAADRGMPF
 SISMRHAFVFPFGGSILAADYSQLELRILAHLSHDRRLIQVLNTGADVFRSIAAEWKMI
 EPESVGDDLRRQQAQKQICYGIIYGMGAKSLGEQMGIKENDAACYIDSFKSRYTGINQF
 MTETVKNCKRDGFVQTLGRRRYLPGIKDNPNPYRKAHAERQAINIVQGSAAIVKIA
 TVNIQKQLETFHSTFKSHGHREGMLQSDQTGLSRKRKLQGMFCPIRGGFFILQLHDE
 LLYEVAEEDVVQVAQIVKNEMESAVKLSVKLVKVKIGASWGELKDFDV

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

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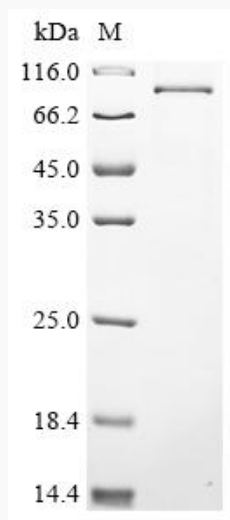
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MIM 604419

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SDS-PAGE



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