

Recombinant Human POLQ protein, His&Flag-tagged

Cat. No. POLQ-654H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLQ protein(O75417)(1-987aa), fused with N-terminal His tag and C-terminal Flag tag, was expressed in Insect cells.
Species	Human
Source	Insect cells
ProteinLength	1-987aa
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	112.9 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

MNLLRRSGKRRRSESGSDSFSGSGGDSSASPQFLSGSVLSPPPGLGRCLKAAAAG
 ECKPTVPDYERDKLLLANWGLPKAVLEKYHSFGVKKMFQWQAECLLLGQVLEGKNL
 VYSAPTSAGKTLVAELLILKRVLEMRRKALFILPFVSVAKEKKYYLQSLFQEVGIKVDG
 YMGSTSPSRHFSSLDIAVCTIERANGLINRLIEENKMDLLGMVVDELHMLGDSHRG
 YLLELLLTKICYITRKSASCQADLASSLSNAVQIVGMSATLPNLELVASWLNAELYHTD
 FRPVPLLESVKVGNSIYDSSMKLVREFEPMLQVKGDEDHVSLCYETICDNHVSLLF
 CPSKKWCEKLADIAREFYNLHHQAEGLVKPSECPPVILEQKELLEVMQDLRRLPSG
 LDSVLQKTPWGVAFHHAGLTFEERDIEGAFRQGLIRVLAATSTLSSGVNLPARRVII
 RTPIFGGRPLDILTYKQMVGRAGRKGVDTVGESILICKNSEKSKGIALQGSCLKPVRS
 CLQRREGEEVTGSMIRAILEIIVGGVASTSQDMHTYAACTFLAASMKEGKQGIQRNQ
 ESVQLGAIEACVMWLLNEFIQSTEASDGTEGKVYHPTHLGSATLSSSLSPADTLDF
 ADLQRAMKGFVLENDLHILYLVTPMFEDWTTIDWYRFFCLWEKLPTSMKRVAELVG
 VEEGFLARCVKGKVVARTERQHRQMAIHKRFFTSVLVLDLISEVPLREINQKYGCNR
 GQIQSLQQSAAVYAGMITVFSNRLGWHNMELLSQFQKRLTFGIQRELCDLVRVSL
 NAQRARVLYASGFHTVADLARANIVEVEVILKNAVPFKSARKAVDEEEEAVEERRNM
 RTIWVTGRKGLTEREAAALIVEEARMILQQDLVEMGVQWNPCALLHSSTCSLTHSES
 EVKEHTFISQTKSSYKKLTSKNKSNITFSDSYIKHSPNIVQDLNKSREHTSSFNCFQ
 NGNQEHTCSIFR

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

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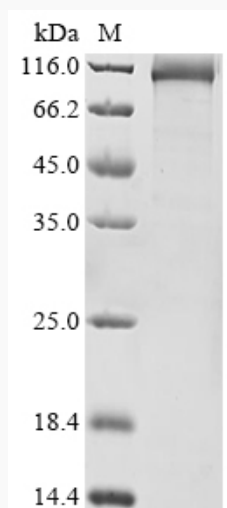
mRNA Refseq NM_199420

Protein Refseq NP_955452

MIM 604419

UniProt ID O75417

SDS-PAGE



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