

Recombinant Human POLQ protein, His&Flag-tagged

Cat. No. POLQ-4544H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POLQ protein(O75417)(1820-2590aa), fused with N-terminal His tag and C-terminal Flag tag, was expressed in Insect cells.
Species	Human
Source	Insect cells
ProteinLength	1820-2590aa
Tag	N-His&C-Flag
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	90.2 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

AA Sequence

SSSESLSIIDVASDQNLFQTFIKWRCKKRFSISLACEKIRSLTSSKTATIGSRFKQASS
PQEIPRDDGFPKIGCDDTLVVGLAVCWGGRDAYYFSLQKEQKHSEISASLVPPSLD
PSLTLKDRMWYLQSLRKESDKECSVVIYDFIQSYKILLSCGISLEQSYEDPKVACW
LLDPDSQEPTLHSIVTSFLPHELPLLEGMETSQGIQSLGLNAGSEHSGRYRASVESILI
FNSMNQLNSLLQKENLQDVFRKVE MPSQYCLALLELNGIGFSTAECESQKHIMQAKL
DAIETQAYQLAGHSFSFTSSDDIAEVLFLLEKLPPNREMKNQGSKKT LGSTRRGIDN
GRKLRLGRQFSTSKDVLNKLKALHPLPGLILEWRRITNAITKVVFPLQREKCLNPFLG
MERIYPVSQSHTATGRITFTEPNIQNVPRDFEIKMPTLVGESPPSQAVGKGLLPMGR
GKYKKGFSVNPRCQAQMEERAADRGMPFSISMRHAFVFPFGGSILAADYSQLELRI
LAHLSHDRRLIQVLNTGADVFRSIAAEWKMI EPESVGDDL RQQAKQICYGIIYGMGAK
SLGEQMGIKENDAACYIDSFKSRYTGINQFMTETVKNCKRDGFVQTILGRRRYLPGI
KDNNPYRKAHAERQAIN TIVQGSAADIVKIATVNIQKQLET FHSTFKSHGHREGMLQS
DQTGLSRKRKLQGMFCPIRGGFILQLHDELLYEVAEEDVVQVAQIVKNEMESAVKL
SVKLVKVKIGASWGELKDFDV

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

 Tel: 1-631-559-9269 1-516-512-3133

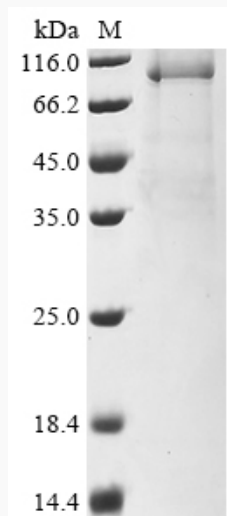
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 604419

UniProt ID O75417

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA