

Product Datasheet

Human POLQ Protein (orb1477207)

Description

Recombinant Human DNA polymerase theta(POLQ),partial

Endotoxins

Not test.

Preservatives

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.

Form/Appearance

Liquid or Lyophilized powder

Storage

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

Tag

N-terminal 10xHis-tagged and C-terminal Flag-tagged

Note

For research use only

Application notes

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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Protein Sequence

MNLLRRSGKRRRSESGSDSFSGSGGDSSASPQFLSGSVLSPPPGLGRCLKAAAA
GECKPTVPDYERDKLLLANWGLPKAVLEKYHSFGVKKMF EWQAECLLLGQVLE
GKNLVYSAPTSAGKTLVAELLILKRVLEMRKKALFILPFVSAKEKKYYLQSLFQEV
GIKVDGYMGSTSPSRHFSSLDIAVCTIERANGLINRLIEENKMDLLGMVVDELH
MLGDSHRGYLLELLLTICICYITRKSASCQADLASSLSNAVQIVGMSATLPNLELVA
SWLNAELYHTDFRPVPLLESVKVGNISYDSSMKLVREFEPMQVKGDEDHVVS
CYETICDNHVSLLFCPSKKWCEKLADIAREFYNLHHQAEGLVKPSECPPVILEQK
ELLEVMQDLRRLPSGLDSVLQKTPWGVAFHHAGLTFEERDIEGAFRQGLIRVL
AATSTLSSGVNLPARRVIIRTPIFGGRPLDILTYQMVGGRAGRKGVDTVGESILICK
NSEKSKGIALQLGSLKPVRSLQRREGEEVTGSMIRAILEIIVGGVASTSQDMHTY
AACTFLAASMKEGKQGIQRNQESVQLGAIEACVMWLENEFIQSTEASDGTEGK
VYHPTHLG SATLSSSLSPADTL DIFADLQRAMKGFVLENDLHILYLVTPMFEDWT
TIDWYRFFCLWEKLPTSMKRVAELVGVEEGFLARCVKGKVVARTERQHRQMAIH
KRFFTSVLVLLDLISEVPLREINQKYGCNRGQIQSLQSSAAVYAGMITVFSNRLGW
HNMELLSQFQKRLTFGIQRELCDLVRVSLNAQRARVLYASGFHTVADLARANI
VEVEVILKNAVPFKSARKAVDEEEEA VEERRNMRTIWVTGRKGLTEREAAALIVE
EARMILQQDLVEMGVQWNPCALLHSSTCSLTHSESEVKEHTFISQTKSSYKKLTS
KNKSNTIFSDSYIKHSPNIVQDLNKSREHTSSFNCNFQNGNQEHQTCSIFR

Purity

Greater than 85% as determined by SDS-PAGE.

Source

Baculovirus

MW

112.9 kDa

Uniprot ID
075417
Expiration Date

6 months from date of receipt.