



# Recombinant Human DNA polymerase theta (POLQ), partial

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| <b>Product Code</b>      | CSB-EP018321HU9a0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Abbreviation</b>      | Recombinant Human POLQ protein, partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>           | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Uniprot No.</b>       | O75417                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>              | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>    | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Product Type</b>      | Recombinant Human Sodium-dependent phosphate transport protein 2B (SLC34A2), partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sensitivity</b>       | Not Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | ≥ 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence</b>          | SSSESLSIIDVASDQNLFQTFIKWRCKKRFSISLACEKIRSLTSSKTATIGSRFK<br>QASSPQEIPRDDGFPKGCDDTLVVGAVCWGGGRDAYYFSLQKEQKHSEISA<br>SLVPPSLDPSLTLKDRMWYLQSCLRKESDKECSVVIYDFIQSYKILLSCGISLE<br>QSYEDPKVACWLLDPDSQEPTLHSIVTSFLPHLPLLEGMETSQGIQSLGLNA<br>GSEHSGRYRASVESILIFNSMNQLNSLLQKENLQDVFRKVE MPSQYCLALLEL<br>NGIGFSTAECESQKHIMQAKLDAIETQAYQLAGHSFSFTSSDDIAEVLFLKLKLP<br>PNREMKNQGSKKT LGSTRRGIDNGRKLRLGRQFSTSKDVLNKLKALHPLPGLI<br>LEWRRITNAITKVVFPLQREKCLNPFLGMERIYPVSQSHTATGRITFTEPNIQNV<br>PRDFEIKMPTLVGESPPSQAVGKLLPMGRGKYKKGFVSNPRCQAQMEERA<br>ADRGMPFSISMRHAFVPFPGGSILAADYSQLELRILAHLSHDRRLIQVLNTGAD<br>VFRSIAAEWKMI EPESVGDDL RQQAQKICYGIIYGMGAKSLGEQMGIKENDAA<br>CYIDSFKSRYTGINQFMTETVKNCGRDGFVQTLGRRRYLPGIKDNNPYRKAHA<br>ERQAIN TIVQGSAA DIVKIATVNIQKQLET FHSTFKSHGHREGMLQSDQTGLSR<br>KRKLQGMFCPIRG GFFILQLHDELLYEVAEEDVVQVAQIVKNEMESAVKLSVKL<br>KVKVKIGASWGELKDFDV |
| <b>Research Area</b>     | Epigenetics and Nuclear Signaling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target Names</b>      | POLQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Expression Region</b> | 1820-2590aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

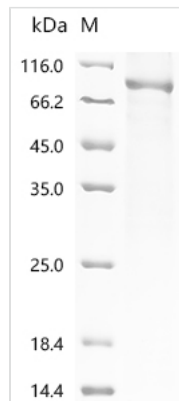


**Tag Info** N-terminal 6xHis-tagged

**Mol. Weight** 90.6 kDa

**Protein Length** Partial

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

**Shelf Life** 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.