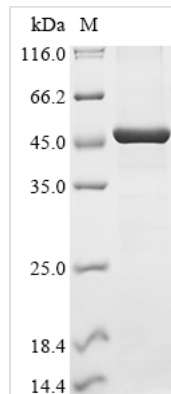




Recombinant Human Helicase POLQ-like (HELQ), partial

Product Code	CSB-EP823463HU
Abbreviation	Recombinant Human HELQ protein, partial
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.
Uniprot No.	Q8TDG4
Form	Liquid or Lyophilized powder
Storage Buffer	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.
Product Type	Recombinant Human Helicase POLQ-like(HELQ),partial
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QERKNLIYSLPTSGGKTLVAEILMLQELLCCRKDVLMILPYVAIVQEKISGLSSFG IELGFFVEEYAGSKGRFPPTKRREKKSLEYIATIEKGHSLVNSLIETGRIDSLGLVV VDELHMIGEGSRGATLEMTLAKILYTSKTTQIIGMSATLNNVEDLQKFLQAEYYT SQFRPVELKEYLKINDTIYEVDSCAENGMTFSRLLNYKYSDTLKKMDPDHLVAL VTEVIPNYSCLVFCPSKKNCENVAEMICKFLSKEYLKHKEKEKCEVIKNLKNIGN GNLCPVLKRTIPFGVAYHHSGLTSDERKLLLEEAYSTGVLCCLFTCTSTLAAGVNL PARRVILRAPYVAKEFLKRNQYKQMIGRAGRAGIDTIGESILILQEK
Research Area	Others
Source	E.coli
Target Names	HELQ
Expression Region	350-726aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	49.8 kDa
Protein Length	Partial
Image	



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

Description

The expression of recombinant Human HELQ protein involves transfecting e.coli cells with a DNA expression vector carrying the gene for the protein of interest (350-726aa). After transfection, the cells are cultured to produce the desired protein. A N-terminal 10xHis tag and C-terminal Myc tag is fused to the protein. The recombinant Human HELQ protein is collected and purified from the cell lysate through affinity purification, attaining a purity greater than 90%, as determined by SDS-PAGE.

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.