



Recombinant Human T-complex protein 1 subunit epsilon (CCT5)

Product Code	CSB-EP004862HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48643
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	<p> ASMGTLAFDEYGRPFLIIKDQDRKSRLMGLEALKSHIMAAKAVANTMRTSLGP NGLDKMM VDKDGDVTVTNDGATILSMMDVDHQIAKLMVELSKSQDDEIGDGTGTVVLAG ALLEEAE QLLDRGIHPRIADGYEQARVAIEHLDKISDSVLVDIKDTEPLIQTAKTTLGSKV VNSC HRQMAEIAVNAVLTVADMERRDVFELIKVEGKVGGRLEDTKLIKGVIVDKDFS HPQMPPK KVEDAKIAILTCPFPPKPKTKHKLDVTSVEDYKALQKYEKEKFEEMIQQIKETG ANLAI CQWGFDDDEANHLLLQNNLPAVRWVGGPEIELIAIATGGRIVPRFSELTAEKLG AGLVQE ISFGTTKDKMLVIEQCKNSRAVTIFIRGGNKMIIEEAKRSLHDALCVIRNLIRDNR VVYG GGAAEISCALAVSQEADKCPTLEQYAMRAFADALEVIPMALSENSGMNPIQTM TEVRARQ VKEMNPALGIDCLHKGTNDMKQQHVIETLIGKKQQISLATQMVRMILKIDDIRKP GESEE </p>
Source	E.coli
Target Names	CCT5
Protein Names	Recommended name: T-complex protein 1 subunit epsilon Short name= TCP-1-epsilon Alternative name(s): CCT-epsilon
Expression Region	2-541
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a molecular chaperone that is member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This complex consists of two identical stacked rings, each containing eight different proteins. Unfolded polypeptides enter the central cavity of the complex and are folded in an ATP-dependent manner. The complex folds various



proteins, including actin and tubulin. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

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.