



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

<b>Product Code</b>	CSB-EP004862HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48643
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>ASMGTLAFDEYGRPFLIIKDQDRKSRLMGLEALKSHIMAAKAVANTMRTSLGP  NGLDKMM  VDKGDVTVTNDGATILSMMDVDHQIAKLMVELSKSQDDEIGDGTGTVVLAG  ALLEEAE  QLLDRGIHPRIADGYEQARVAIEHLDKISDSVLVDIKDTEPLIQTAKTTLGSKV  VNSC  HRQMAEIAVNAVLTVADMERRDVFELIKVEGKVGGRLEDTKLIKGIVVDKDFS  HPQMPPK  KVEDAKIAILTCPFPPKPKTKHKLDVTSVEDYKALQKYEKEKFEEMIQQIKETG  ANLAI  CQWGFDDDEANHLLLQNNLPAVRWVGGPEIELIAIATGGRIVPRFSELTAEKLG  AGLVQE  ISFGTTKDKMLVIEQCKNSRAVTIFIRGGNKMIIEEAKRSLHDALCVIRNLIRDNR  VYYG  GGAAEISCALAVSQEADKCPTLEQYAMRAFADALEVIPMALSENSGMNPIQTM  TEVRARQ  VKEMNPALGIDCLHKGTNDMKQQHVIETLIGKKQQISLATQMVRMILKIDDIRKP  GESEE</p>
<b>Source</b>	E.coli
<b>Target Names</b>	CCT5
<b>Protein Names</b>	Recommended name: T-complex protein 1 subunit epsilon Short name= TCP-1-epsilon Alternative name(s): CCT-epsilon
<b>Expression Region</b>	2-541
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**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.

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**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.