



# Recombinant Human T-complex protein 1 subunit beta (CCT2)

<b>Product Code</b>	CSB-MP004856HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P78371
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>ASLSLAPVN IFKAGADEER AETARLTSFI GAIAIGDLVK STLGPKGMDK            ILLSSGRDAS LMVTNDGATI LKNIGVDNPA AKVLVDMSRV QDDEVGDGTT            SVTVLAAELL REAESLIAKK IHPQTIIAGW REATKAAREA LLSSAVDHGS            DEVKFRQDLM NIAGTTLSSK LLTHHKDHFT KLAVEAVLRL KGSGNLEAIH            IIKKLGGS LA DSYLDEGFLL DKKIGVNQPK RIENAKILIA NTGMDTDKIK            IFGSRVRVDS TAKVAEIEHA EKEKMKEKVE RILKHGINCF INRQLIYNYP            EQLFGAAGVM AIEHADFAGV ERLALVTGGE IASTFDHPEL VKLGSCKLIE            EVMIGEDKLI HFSGVALGEA CTIVLRGATQ QILDEAERSL HDALCVLAQT            VKDSRTVYGG GCSEMLMAHA VTQLANRTPG KEAVAMESYA KALRMLPTII            ADNAGYDSAD LVAQLRAAHS EGNTTAGLDM REGTIGDMAI LGITESFQVK            RQVLLSAAEA AEVILRVDNI IKAAPRKRVP DHHPC</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CCT2
<b>Protein Names</b>	Recommended name: T-complex protein 1 subunit beta Short name= TCP-1-beta Alternative name(s): CCT-beta
<b>Expression Region</b>	2-535
<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 the gene described in this record have been observed but have not been thoroughly characterized.
<b>Reconstitution</b>	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.