



Recombinant Rat T-complex protein 1 subunit beta (Cct2)

Product Code	CSB-EP736460RA
Abbreviation	Cct2
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.	Q5XIM9
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	ASLSLAPVN IFKAGADEER AETARLSSFI GAI AIGDLVK STLGPKGMDK ILLSSGRDAS LMVTNDGATI LKNIGVDNPA AKVLVDMSRV QDDEVGDGTT SVTVLAAELL REAESLIAKK IHPQTIAGW REATKAAREA LLSSAVDHGS DEVKFWQDLM NIAGTTLSSK LLTHHKDHFT KLAVEAVLRL KGSGNLEAIH VIKKLGGSLA DSYLDEGFLL DKKIGVNQPK RIENAKILIA NTGMDTDKIK IFGSRVRVDS TAKVAEIEHA EKEKMKEKVE RILKHGINCF INRQLIYNYP EQLFGAAGVM AIEHADFAGV ERLALVTGGE IASTFDHPEL VKLGSKCLIE EVMIGEDKLI HFSGVALGEA CTIVLRGATQ QILDEAERSL HDALCVLAQT VKDPRTVYGG GCSEMLMAHA VTMLASRTPG KEAVAMESFA KALRMLPTII ADNAGYDSAD LVAQLRAAHS EGRITAGLDM KEGSIGDMAV LGITESFQVK RQVLLSAAEA AEVILRVDNI IKAAPRKRVP DHHPC
Source	E.coli
Target Names	Cct2
Protein Names	Recommended name: T-complex protein 1 subunit beta Short name= TCP-1-beta Alternative name(s): CCT-beta
Expression Region	2-535
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 the gene described in this record 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.