



Recombinant Human T-complex protein 1 subunit alpha (TCP1)

Product Code	CSB-EP023320HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17987
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEGPLSVFGD RSTGETIRSQ NVMAAASIAN IVKSSLGPVG LDKMLVDDIG DVTITNDGAT ILKLLEVEHP AAKVLCCELAD LQDKEVGDGT TSVVIAAEL LKNADELVKQ KIHPTSVISG YRLACKEAVR YINENLIVNT DELGRDCLIN AAKTSMSSKI IGINGDFFAN MVVDAVLAIK YTDIRGQPRY PVNSVNILKA HGSRQMESML ISGYALNCVV GSQGMPCRIV NAKIACLDLFS LQKTKMMLGV QVVITDPEKL DQIRQRES DI TKERIQKILA TGANVILTTG GIDDMCLKYF VEAGAMAVRR VLKRD LKRIA KASGATILST LANLEGEETF EAAMLGQAAE VVQERICDDE LILIKNTKAR TSASIILRGA NDFMCDemer SLHDALCVVK RVLESKSVVP GGGAVEAALS IYLENYATSM GSREQLAIAE FARLLVIPN TLAVNAAQDS TDLVAKLRAF HNEAQVNPER KNLKWIGLDL SNGKPRDNKQ AGVF EPTIVK VKSLKFATEA AITILRIDDL IKLHPESKDD KHGSYEDAVH SGALND
Source	E.coli
Target Names	TCP1
Protein Names	Recommended name: T-complex protein 1 subunit alpha Short name= TCP-1- alpha Alternative name(s): CCT-alpha
Expression Region	1-556
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 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, encoding different isoforms, have been 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.