

Recombinant Full Length Human TCP1 Protein, C-Flag-tagged

Cat. No. TCP1-1996HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TCP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a molecular chaperone that is a 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. In addition, three pseudogenes that appear to be derived from this gene have been found.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	60.2 kDa
AA Sequence	MEGPLSVFGDRSTGETIRSQNVMAAASIANIVKSSLGPVGLDKMLVDDIGDVTITNDG ATILKLLEVEHP AAKVLCELADLQDKEVGDGTTSVVIAAELLKNADELVKQKIHPTSVI SGYRLACKEAVRYINENLIVNT DELGRDCLINAAKTSMSKIIGINGDFFANMVVDAV LAIKYTDIRGQPRYPVNSVNILKAHGRSQMESML ISGYALNCVVGSQGMPKRIVNAK IACLDFSLQKTKMKLGVQVVITDPEKLDQIRQRES DITKERIQKILA TGANVILTTGGID

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DMCLKYFVEAGAMAVRRVLKRD LKRIAKASGATILSTLANLEGEETFEAAMLGQAE
 VVQERICDDELILIKNTKARTSASIILRGANDFMCDemersSLHDALCVVKRVLESKSVV
 PGGGAVEAALS IYLENYATSMGSREQLAIAEFARSLLVIPNTLAVNAAQDSTD LVAKL
 RAFHNEAQVNPERKNLKWIGLDL SNGKPRDNKQAGVF EPTIVKVKSLKFATEAAITIL
 RIDDLIKLHPESKDDKHGSYEDAVHSGALND TRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	TCP1 t-complex 1 [Homo sapiens (human)]
Official Symbol	TCP1
Synonyms	CCT-alpha, CCT1, CCTa, D6S230E, TCP-1-alpha
Gene ID	6950

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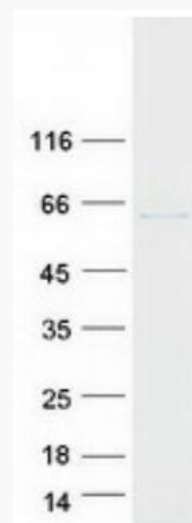
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mRNA Refseq [NM_030752.3](#)

Protein Refseq [NP_110379.2](#)

MIM [186980](#)

UniProt ID [P17987](#)



Coomassie blue staining of purified TCP1 protein.

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