

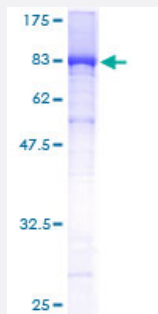
Full-Length

TCP1 (Human) Recombinant Protein (P01)

Catalog # H00006950-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TCP1 full-length ORF (AAH00665, 1 a.a. - 556 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEGPLSVFGDRSTGETIRSQNVMAAASIANIVKSSFGPVGLDKMLVDDIGDVTITNDGATILKLLEV
EHPAAKVLCELADLQDKEVGDGTTSVVIAAELLKNADELVKQKIHPTSVISGYRLACKEAVRYNE
NLIVNTDELGRDCLINAAKTSMSSKIIGINGDFFANMVVDAVLAIKYTDIRGQPRYPVNSVNILKAHGR
SQMESMLISGYALNCVVGSGQMPKRMNAKACLDLQKTKMKLGVQVVITDPEKLDQIRQRES
ITKERIQKILATGANVILTTGGIDDMCLKYFVEAGAMAVRRVLKRDLCRIKASGATILSTLANLEGEE
TFEAMLGQAEEVVQERICDDELILIKNTKARTSASILRGANDFMCEMERSLHDALCVVKRVLE
SKSVVPGGGAVEAALSYLENYATSMGSREQLAIAEFARSLLVIPNTLAVNAAQDSTDVAKLRAF
HNEAQVNPERRKNLKWIGLDLSNGKPRDNKQAGVFEPTIVKVSLKFATEAAITLRIDDLIKLHPESK
DDKHGSYEDAVHSGALND

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

87.01

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TCP1

Entrez GeneID	6950
GeneBank Accession#	BC000665
Protein Accession#	AAH00665
Gene Name	TCP1
Gene Alias	CCT-alpha, CCT1, CCTa, D6S230E, TCP-1-alpha
Gene Description	t-complex 1
Omim ID	186980
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000017529 T-complex protein 1 T-complex protein 1, alpha subunit tailless complex polypeptide 1

Publication Reference

- [Serum antibody response to group II chaperonin from Methanobrevibacter oralis and human chaperonin CCT.](#)

Hirai K, Maeda H, Omori K, Yamamoto T, Koikeguchi S, Takashiba S.

Pathogens and Disease 2013 Jun; 68(1):12.

Application: Dot, Human, Serum

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Schizophrenia](#)