

Recombinant Human TCP1 Protein, His&GST-tagged

Cat. No. TCP1-2120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TCP1 Protein (Gln276-Asp556) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln276-Asp556
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.5 kDa Accurate Molecular Mass: 61 kDa
Purity	> 90%

 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

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	TCP1 t-complex 1 [Homo sapiens (human)]
Official Symbol	TCP1
Synonyms	TCP1; t-complex 1; T-complex protein 1 subunit alpha; CCT1; Ccta; D6S230E; tailless complex polypeptide 1; T-complex protein 1, alpha subunit; CCTa; CCT-alpha; TCP-1-alpha;
Gene ID	6950
mRNA Refseq	NM_001008897
Protein Refseq	NP_001008897
MIM	186980

 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



UniProt ID

P17987

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