

Recombinant Human TCP1 Protein, His&GST-tagged

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

SPECIFICATION

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| 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% |

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|-----------------------|--|
| 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

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|------------------------|--|
| 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 |

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UniProt ID

P17987

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