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TCP1, 1-556aa, Human, His tag, E.coli

产品货号: TP04172

第三版

别名:T-complex protein 1 subunit alpha, CCT-alpha, CCT1, CCT, TCP-1-alpha

描述:TCP1 is a molecular chaperone that is a member of the chaperonin containing TCP1 complex (CCT), also known as the TCP1 ring complex (TRiC). This protein is found in the cytosol as a subunit of a hetero-oligomeric chaperone. It has an important function in maintaining cellular homeostasis by assisting the folding of many proteins, including the cytoskeletal components actin and tubulin. Recombinant human TCP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 0.1 mM PMSF, 10% Glycerol

分子量:62.5 kDa (576aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMEGPLSVFGDRSTGETIRSQNVMAAASIANIVKSSLGPVGLDKMLVDDIGDVTITNDGA
TILKLLVEHHPAAKVLCELADLQDKEVGDGTTSVVIAAELLKNADELVKQKIHPTSVISGYRLACKEAVRYINENLIVNTD
ELGRDCLINAAKTSMSSKIIGINGDFFANMVVDAVLAIKYTDIRGQPRYPVNSVNIKAHGRSQMESMLISGYALNCVVGS
QGMPKRIVNAKIACLDFSLQKTKMKLGVVITDPEKLDQIRQRES DITKERIQKILATGANVILTTGGIDDMCLKYFVEA
GAMAVRRVLKRD LKRIAKASGATILSTLANLEGEETFEAAMLGQAEEVVQERICDDELILIKNTKARTSASIILRGANDFMC
DEMERSLHDALCVVKRVLESKSVVPGGGAVEAALSIYLENYATSMGSREQLAIAEFARSLLVIPNTLAVNAAQDSTDLVAK
LRAFHN AQVNP ERKNLKWIGLDLSNGKPRDNKQAGVFEPTIVKVKSLKFATEAAITILRIDDLIKLHPESKDDKHGSYED
AVHSGALND

纯度:> 95% by HPLC

浓度:0.5 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.