

Product datasheet for **AR09707PU-L**

CCT1 / TCP1 (1-556, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CCT1 / TCP1 (1-556, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MEGPLSVFGD RSTGETIRSQ NVMAAASIAN IVKSSLGPVG LDKMLVDDIG DVTITNDGAT ILKLLEVEHP AAKVLCELAD LQDKEVGDGT TSVVIIAAEL LKNADELVKQ KIHPTSVISG YRLACKEAVR YINENLIVNT DELGRDCLIN AAKTSMSSKI IGINGDFFAN MVVDAVLAIK YTDIRGQPRY PVNSVNILKA HGRSQMESML ISGYALNCVV GSQGMPPKRV NAKIACLD FS LQKTKMKLGV QWITDPEKL DQIRQRES DI TKERIQKILA TGANVILTTG GIDDMCLKYF VEAGAMAVRR VLKRD LKRIA KASGATILST LANLEGEETF EAAMLGQAE VVQERICDDE LILIKNTKAR TSASIILRGA NDFMCDEMER SLHDALCVK RVLESKSVVP GGGAVEAALS IYLENYATSM GSREQLAIAE FARSLLVIPN TLAVNAAQDS TDLVAKLRAF HNEAQVNPER KNLKWIGL DL SNGKPRDNKQ AGVFEPTIVK VKSLKFATEA AITILRIDDL IKLHPESKDD KHGSYEDAVH SGALND
Tag:	His-tag
Predicted MW:	62.5 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 1 mM DTT, 0.1 mM PMSF, 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TCP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001008897</u>
Locus ID:	6950



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UniProt ID:	E7EQR6
Cytogenetics:	6q25.3
Synonyms:	CCT-alpha; CCT1; CCTa; D6S230E; TCP-1-alpha
Summary:	<p>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. [provided by RefSeq, Jun 2010]</p>

Product images:

