

Recombinant Full Length Human CCT4 Protein, Flag-tagged

Cat. No. CCT4-10HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human chaperonin containing TCP1, subunit 4 (delta) (CCT4) with C-Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-539 aa
Description	The chaperonin containing TCP1 complex (CCT), also called the TCP1 ring complex, consists of 2 back-to-back rings, each containing 8 unique but homologous subunits, such as CCT4. CCT assists the folding of newly translated polypeptide substrates through multiple rounds of ATP-driven release and rebinding of partially folded intermediate forms. Substrates of CCT include the cytoskeletal proteins actin and tubulin, as well as alpha-transducin.
Tag	C-Flag
Molecular Mass	57.7 kDa
AA Sequence	MPENVAPRSGATAGAAGGRGKGAYQDRDKPAQIRFSNISAACAVADAIRTS LGPKG MDKMIQDGKGDVTITNDGATILKQMQLHPAARMMLVELSKAQDIEAGDGTTSVVIAG SLLDSTCKLLQKGIHPTIISSEFQKALEKGIEILTDMSRPVELSDRETLLNSATSLNSK VVSQYSSLLSPMSVNAVMMKVIDPATATSVDLRDIKIVKKLGGTIDDCELVGLVLTQK VSNSGITRVEKAKIGLIQFCLSA PKTDMDNQIVVSDYAQM DRVLREERAYILNLVKQIK

 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

KTGCNVLLIQKSILRDALSDLALHFLNKMIMVIKDIEREDIEFICKTIGTKPVAHIDQFT
ADMLGSAELAEVNLNGSGKLLKITGCASPGKTVTIVVRGSNKLVIEEAERSIHDALC
VIRCLVKKRALIAGGGAPEIELALRLTEYSRTLSGMESYCVRAFADAMEVIPSTLAEN
AGLNPISTVTELRNRHAQGEKTAGINVRKGGISNILEELVVQPLLVSVSALTLATETVR
SILKIDDVVNTRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Concentration	> 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name	CCT4 chaperonin containing TCP1 subunit 4 [Homo sapiens (human)]
Official Symbol	CCT4
Synonyms	CCT4; chaperonin containing TCP1 subunit 4; SRB; Cctd; CCT-DELTA; T-complex protein 1 subunit delta; TCP-1-delta; chaperonin containing T-complex polypeptide 1 subunit 4; chaperonin containing TCP1, subunit 4 (delta); chaperonin containing t-complex polypeptide 1, delta subunit; stimulator of TAR RNA-binding

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Gene ID	10575
mRNA Refseq	NM_006430
Protein Refseq	NP_006421
MIM	605142
UniProt ID	P50991
SDS-PAGE	