

Recombinant Full Length Human CCT4 Protein, GST-tagged

Cat. No. CCT4-3042HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCT4 full-length ORF (1 a.a. - 539 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	539 amino acids
Description	The chaperonin containing TCP1 (MIM 186980) 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 (see MIM 102560) and tubulin (see MIM 191130), as well as alpha-transducin (MIM 139330) (Won et al., 1998 [PubMed 9819444]).[supplied by OMIM, Mar 2008]
Molecular Mass	84.3 kDa
AA Sequence	MPENVAPRSGATAGAAGGRGKGAYQDRDKPAQIRFSNISAACAVADAIRTS LGPKG MDKMIQDGKGDVTITNDGATILKQMQLHPAARMLEVELSKAQDIEAGDGTTSVVIAG SLLDSC TKLLQKGIHPTIISSEFQKALEKGIEILTDMSRPVELSDRETLLNSATTSLNSK VVSQYSSLLSPMSVNAV MKVIDPATATSVDLRDIKIVKKLGGTIDDCELV EGLVLTQK VSNSGITRVEKAKIGLIQFCLSAPKTDMDNQIVVSDYAQM 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
ADMLGSAELAEVNLNGSGKLLKITGCASPGKTVTIVVRGSNKLVIEEAERSIHDA
LCVIRCLVKKRALIAGGGAPEIELALRLTEYSRTLSGMESYCVRAFADAMEVIPSTLAEN
AGLNPISVTTELNRNHAQGEKTAGINVRKGGISNILEELVVQPLLVSVSALTATETVR
SILKIDDVVNTR

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CCT4 chaperonin containing TCP1, subunit 4 (delta) [Homo sapiens]

Official Symbol CCT4

Synonyms CCT4; chaperonin containing TCP1, subunit 4 (delta); T-complex protein 1 subunit delta; Cctd; TCP-1-delta; stimulator of TAR RNA-binding; chaperonin containing t-complex polypeptide 1, delta subunit; SRB; CCT-DELTA; MGC126164; MGC126165;

Gene ID 10575

mRNA Refseq NM_001256721

Protein Refseq NP_001243650

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MIM	605142
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UniProt ID	P50991
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