

Recombinant Full Length Human CCT2 Protein, GST-tagged

Cat. No. CCT2-3040HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCT2 full-length ORF (NP_006422.1, 1 a.a. - 535 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	535 amino acids
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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
Molecular Mass	83.9 kDa
AA Sequence	MASLSLAPVNIFKAGADEERAETARLTSFIGAIAIGDLVKSTLGPKGMDKILLSSGRDA SLMVTNDGATILKNIGVDNPAAKVLVDMSRVQDDEVGDGTTSVTVLAAELLREAESLI AKKIHPQTIIAGWREATKAAREALLSSAVDHGSDEVKFRQDLMNIAGTTLSSKLLTHH KDHFTKLAVEAVLRLKSGSNLEAIIHKKLGGSLADSYLDEGFLLDKKIGVNPQPKRIEN AKILIAN TGMDTDKIKIFGSRVRVDSTAKVAEIEHAEKEKMKEKVERILKHGINCFINRQ LIYNYPEQLFGAAGVMAIEHADFAGVERLALVTGGEIASTFDHPELVKLGSCCKLIEEV

 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

MIGEDKLIHFSGVALGEACTIVLRGATQQILDEAERSLHDALCVLAQTVKDSRTVYGG
GCSEMLMAHAVTQLANRTPGKEAVAMESYAKALKMLPTIADNAGYDSADLVAQLR
AAHSEGNTTAGLDMREGTIGDMAILGITESFQVKRQVLLSAAEAAEVILRVDNIIKAAP
RKRVDPDHHPC

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 CCT2 chaperonin containing TCP1, subunit 2 (beta) [Homo sapiens]

Official Symbol CCT2

Synonyms CCT2; chaperonin containing TCP1, subunit 2 (beta); T-complex protein 1 subunit beta; Cctb; T-complex protein 1, beta subunit; chaperonin containing t-complex polypeptide 1, subunit 2; chaperonin containing t-complex polypeptide 1, beta subunit; CCTB; 99D8.1; PRO1633; CCT-beta; TCP-1-beta; MGC142074; MGC142076;

Gene ID 10576

mRNA Refseq NM_001198842

Protein Refseq NP_001185771

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MIM	605139
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UniProt ID	P78371
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