

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
Protein Length	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	MASLSLAPVNIKAGADEERAETARLTSFIGAIAIGDLVKSTLGPKGMDKILLSSGRDA SLMVTNDGATILKNIGVDNPAAKVLVDMSRVQDDEVGDGTTSVTVLAAELLREAESLI AKKIHPQTIAGWREATKAAREALLSSAVDHGSDEVKFRQDLMNIAGTTLSSKLLTHH KDHFTKLAVEAVLRLKSGSNLEAIIHKKLGGLADSYLDEGFLLDKKIGVNPQKRIEN AKILIAN TGMDTDKIKIFGSRVRVDSTAKVAEIEHAEKEKMKKEKVERILKHGINCFINRQ LIYNYPEQLFGAAGVMAIEHADDFAGVERLALVTGGEIASTFDHPELVKLGSCCKLIEEV

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MIGEDKLIHFSGVALGEACTIVLRGATQQILDEAERSLHDALCVLAQTVKDSRTVYGG
 GCSEMLMAHAVTQLANRTPGKEAVAMESYAKALKMLPTIADNAGYDSADLVAQLR
 AAHSEGNTTAGLDMREGTIGDMAILGITESFQVKRQVLLSAAEAAEVILRVDNIIKAAP
 RKRVPDHHPC

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



MIM	605139
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UniProt ID	P78371
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