

Recombinant Human CCT2 Protein, GST-Tagged

Cat. No. CCT2-0709H **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	Wheat Germ
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	MASLSLAPVNIFKAGADEERAETARLTSTFIGAIAIGDLVKSTLGPKGMDKILLSSGRDASLMVTNDGATILKNIGVDNPAAKVLVDMSRVQDDEVGDGTTSVTVLAAELLREAESLIAKKIHPQTIIAGWREATKAAREALLSSAVDHGSDEVKFRQDLMNIAGTTLSSKLLTHHKDHFTKLAVEAVLRLKGSNLEAIHIIKKLGGSLADSYLDEGFLLDKKIGVNQPKRIENAKILANTGMDTDKIKIFGSRVRVDSTAKVAEIEHAEKEKMKEKVERILKHGINCFINRQLIYNYPEQLFGAAGVMAIEHADFAVERLALVTGGEIASTFDHPELVKLGSCKLIEEVMIGEDKLIHFSGVALGEACTIVLRGATQQILDEAERSLHDALCVLAQTVKDSRTVYGG

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GCSEMLMAHAVTQLANRTPGKEAVAMESYAKALKMLPTIADNAGYDSADLVAQLR
AAHSEGNNTAGLDMREGTIGDMAILGITESFQVKRQVLLSAAEAAEVILRVDNIIKAAP
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

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MIM	605139
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UniProt ID	P78371
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