

Recombinant Full Length Human CCT7 Protein, GST-tagged

Cat. No. CCT7-2941HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCT7 full-length ORF (NP_006420.1, 1 a.a. - 543 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	543 amino acids
Description	This gene encodes 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. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 6. [provided by RefSeq, Oct 2009]
Molecular Mass	85.80 kDa
AA Sequence	MMPTPVILLKEGTDSSQGIPQLVSNISACQVIAEAVRTTLGPRGMDKLIVDGRGKATI SNDGATILKLLDVVHPAAKTLVDIAKSQDAEVGDGTTSVTLAAEFLKQVKPYVEEGL HPQIIIRAFRTATQLAVNKIKEIAVTVKKADKVEQRKLLKCAMTALSSKLISQQKAFFA KMVVDVAVMMLDDLQLKMIGIKKVQGALEDSQLVAGVAFKKTFSYAGFEMQPKKY HNPKIALLNVELELKAEKDNAEIRVHTVEDYQAIVDAEWNILYDKLEKIHHSAGKVVLS

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KLPIGDVATQYFADRD MF CAGRVPEEDLKRTMMACGGSIQTSVNALSADVLGRCQV
FEETQIGGERYNFFTGCPKAKTCTFILRGGA EQFMEETERSLHDAIMIVRRAIKNDSV
VAGGGA IEMELSKYLRDYSRTIPGKQQLLIGAYAKALEIIPRQLCDNAGFDATNILNKL
RARHAQGGTWYGV DINNEDIADNFEAFVWEPAMVRINALTAASEAACLIVSVDETIK
NPRSTVDAPTAAGRGRGRGRPH

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 CCT7 chaperonin containing TCP1, subunit 7 (eta) [Homo sapiens]

Official Symbol CCT7

Synonyms CCT7; chaperonin containing TCP1, subunit 7 (eta); T-complex protein 1 subunit eta; Ccth; Nip7 1; CCT-eta; TCP-1-eta; HIV-1 Nef interacting protein; HIV-1 Nef-interacting protein; chaperonin containing t-complex polypeptide 1, eta subunit; CCTH; CCTETA; NIP7-1; TCP1ETA; MGC110985;

Gene ID 10574

mRNA Refseq NM_001009570

Protein Refseq NP_001009570

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MIM	605140
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UniProt ID	Q99832
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