

Recombinant Human CCT7 cell lysate

Cat. No. CCT7-313HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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. Alternate transcriptional splice variants encoding different isoforms have been found for this gene, but only two of them have been characterized to date.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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;

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	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
MIM	605140
UniProt ID	Q99832
Chromosome Location	2p13.2
Pathway	Association of TriC/CCT with target proteins during biosynthesis, organism-specific biosystem; Chaperonin-mediated protein folding, organism-specific biosystem; Cooperation of Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem; Folding of actin by CCT/TriC, organism-specific biosystem; Formation of tubulin folding intermediates by CCT/TriC, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Prefoldin mediated transfer of substrateto CCT/TriC, organism-specific biosystem;
Function	ATP binding; identical protein binding; nucleotide binding; unfolded protein binding;