Recombinant Human CCT5 Protein, MYC/DDK-tagged

Cat. No. CCT5-3014H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCT5 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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. Mutations in this gene cause hereditary sensory and autonomic neuropathy with spastic paraplegia (HSNSP). Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 5 and 13.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	59.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	CCT5 chaperonin containing TCP1, subunit 5 (epsilon) [Homo sapiens]
Official Symbol	CCT5
Synonyms	CCT-epsilon; CCTE; HEL-S-69; PNAS-102; TCP-1-epsilon
Gene ID	22948
mRNA Refseq	NM_012073
Protein Refseq	NP_036205
MIM	610150
UniProt ID	P48643

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