

Recombinant Full Length Human CCT5 Protein, GST-tagged

Cat. No. CCT5-3043HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CCT5 full-length ORF (AAH06543, 1 a.a. - 541 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	541 amino acids
Description	The chaperonin containing TCP1 (MIM 186980) complex (CCT), also called the TCP1 ring complex, consists of 2 back-to-back rings, each containing 8 unique but homologous subunits, such as CCT4. CCT assists the folding of newly translated polypeptide substrates through multiple rounds of ATP-driven release and rebinding of partially folded intermediate forms. Substrates of CCT include the cytoskeletal proteins actin (see MIM 102560) and tubulin (see MIM 191130), as well as alpha-transducin (MIM 139330) (Won et al., 1998 [PubMed 9819444]).[supplied by OMIM, Mar 2008]
Molecular Mass	85.25 kDa
AA Sequence	MASMGTLAFDEYGRPFLIIKDQDRKSRLMGLEALKSHIMAAKAVANTMRTSLGPNGL DKMMVDKDGDTVTDNDGATILSMMDVDHQIAKLMVELSKSQDDEIGDGTTGVVLA GALLEEAEQLLDRGIHPRIADGYEQARVAIEHLDKISDSVLVDIKDTEPLIQTAKTTL GSKVVNSCHRQMAEIAVNAVLTVADMERRDVFELIKVEGKVGGRLEDTKLIKGVIV DKDFSHQPMPKKVEDAKIAILTCPFEPKPKTKHKLDVTSVEDYKALQKYEKEKFE

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MIQQIKETGANLAICQWGFDEANHLLLQNNLPAVRWVGGPEIELIAIATGGRIVPRF
 SELTAEKLGFAGLVQEISFGTTKDKMLVIEQCKNSRAVTIFIRGGNKMIIEEAKRSLHD
 ALCVIRNLIRDNRVVYGGGAAEISCALAVSQEADKCPTLEQYAMRAFADALEVIPMAL
 SENSGMNPIQTMTEVRARQVKEMNPALGIDCLHKGTNDMKQQHVETLIGKKQQISL
 ATQMVRMILKIDDIRKPGESEE

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 CCT5 chaperonin containing TCP1, subunit 5 (epsilon) [Homo sapiens]

Official Symbol CCT5

Synonyms CCT5; chaperonin containing TCP1, subunit 5 (epsilon); T-complex protein 1 subunit epsilon; KIAA0098; T-complex protein 1, epsilon subunit; CCTE; CCT-epsilon; TCP-1-epsilon;

Gene ID 22948

mRNA Refseq NM_012073

Protein Refseq NP_036205

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MIM	610150
UniProt ID	P48643

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