

Recombinant Full Length Human CCT3 Protein, GST-tagged

Cat. No. CCT3-3041HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCT3 full-length ORF (AAH08019.1, 1 a.a. - 544 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	544 amino acids
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. Alternate transcriptional splice variants have been characterized for this gene. In addition, a pseudogene of this gene has been found on chromosome 8. [provided by RefSeq, Aug 2010]
Molecular Mass	86.8 kDa
AA Sequence	MGHRPVLVLSQNTKRESGRKVQSGNINAAKTIADIIRTC LGPKSMMKMLLDPMGGIV MTNDGNAILREIQVQH PAAKSMIEISRTQDEEVGDGTTSVIILAGEMLSVAEHFLEQQ MHPTVVISAYRKALDDMISTLKKISIPVDISDSMDMLNIINSSITTKAISRWSSLACNIAL DAVKMVQFEENGRKEIDIKKYARVEKIPGGIIEDSCVLRGVMINKDVTHPRMRRYIKN PRIVLLDSSLEYKKGESQTDIEITREEDFTRILQMEEYIQQLCEDIIQLKPDVVITEKGI

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SDLAQHLYMRANITAIRRVKTDNNRIARACGARIVSRPEELREDDVGTGAGLLEIKKI
GDEYFTFITDCKDPKACTILLRGASKEILSEVERNLDAMQVCRNVLLDPQLVPGGG
ASEMAVAHALTEKSKAMTGVEQWPYRAVAQALEVIPRTLQNCGASTIRLLTSLRAK
HTQENCETWGVNGETGTLVDMKELGIWEPLAVKLQTYKTAVETAVLLLRIIDIVSGH
KKKGDDQSRQGGAPDAGQE

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 CCT3 chaperonin containing TCP1, subunit 3 (gamma) [Homo sapiens]

Official Symbol CCT3

Synonyms CCT3; chaperonin containing TCP1, subunit 3 (gamma); TRIC5; T-complex protein 1 subunit gamma; Cctg; hTRiC5; T-complex protein 1, gamma subunit; TCP1 (t-complex-1) ring complex, polypeptide 5; CCTG; PIG48; CCT-gamma; TCP-1-gamma;

Gene ID 7203

mRNA Refseq NM_001008800

Protein Refseq NP_001008800

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MIM	600114
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UniProt ID	P49368
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