

# Recombinant Human CCT3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CCT3-467H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CCT3 MS Standard C13 and N15-labeled recombinant protein (NP_005989) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 60.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MMGHRPVLVLSQNTKRESGRKVQSGNINAAKTIADIIRTC LGPKSMMKMLLDPMGGI<br>VMTNDGNAILREIQVQH PAAKSMIEISRTQDEEVGDGTTSVIILAGEMLSVAEHFLEQ<br>QMHPTVVISAYRKALDDMISTLKKISIPVDISDSMMLNIINSSITTKAISRWSSLACNIA<br>LDAVKMVQFEENGRKEIDIKKYARVEKIPGGIIEDSCVLRGVMINKDVTHPRMRRYIK<br>NPRIVLLDSSLEYKKGESQTDIEITREEDFTRILQMEEYIQQLCEDIIQLKPDVVITEK                                                                                                                                                                                                                                                                                    |

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GISDLAQHYLMRANITAIRVRKTDNNRIARACGARIVSRPEELREDDVGTGAGLLEI  
 KKIGDEYFTFITDCKDPKACTILLRGASKEILSEVERNLDAMQVCRNVLLDPQLVPG  
 GGASEMAVAHALTEKSKAMTGVEQWPYRAVAQALEVIPRTLQNCGASTIRLLTSLR  
 AKHTQENCETWGVNGETGTLVDMKELGIWEPLAVKLQTYKTAVETAVLLLRIIDIVS  
 GHKKKGDDQSRQGGAPDAGQETRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CCT3 chaperonin containing TCP1 subunit 3 [ Homo sapiens (human) ]

**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\_005998

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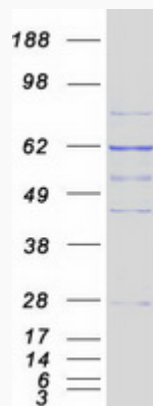
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Protein Refseq NP\_005989

MIM 600114

UniProt ID P49368

SDS-PAGE



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