Recombinant Full Length Human CCT3 Protein, C-Flag-tagged

Cat. No. CCT3-2127HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CCT3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	60.3 kDa
AA Sequence	MGHRPVLVLSQNTKRESGRKVQSGNINAAKTIADIIRTCLGPKSMMKMLLDPMGGIV MTNDGNAILREIQ VQHPAAKSMIEISRTQDEEVGDGTTSVIILAGEMLSVAEHFLEQQ MHPTVVISAYRKALDDMISTLKKIS IPVDISDSDMMLNIINSSITTKAISRWSSLACNIAL DAVKMVQFEENGRKEIDIKKYARVEKIPGGIIED SCVLRGVMINKDVTHPRMRRYIKN PRIVLLDSSLEYKKGESQTDIEITREEDFTRILQMEEEYIQQLCED IIQLKPDVVITEKGI

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

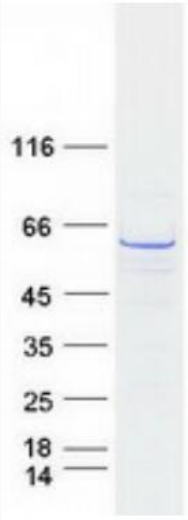
	SDLAQHYLMRANITAIRRVRKTDNNRIARACGARIVSRPEELREDDVGTGAGLLE IKK IGDEYFTFITDCKDPKACTILLRGASKEILSEVERNLQDAMQVCRNVLLDPQLVPGGG ASEMAVAHA LTEKSKAMTGVEQWPYRAVAQALEVIPRTLIQNCGASTIRLLTSLRAK HTQENCETWGVNGETGTLVDMK ELGIWEPLAVKLQTYKTAVETAVLLLRIDDIVSGH KKKGDDQSRQGGAPDAGQE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CCT3 chaperonin containing TCP1 subunit 3 [Homo sapiens (human)]
Official Symbol	CCT3
Synonyms	CCTG; PIG48; TRIC5; CCT-gamma; TCP-1-gamma
Gene ID	7203
mRNA Refseq	NM_001008800.3

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Protein Refseq	NP_001008800.1
MIM	600114
UniProt ID	P49368



Coomassie blue staining of purified CCT3 protein.

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