

Product datasheet for **RC230842**

TCP1 beta (CCT2) (NM_001198842) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP1 beta (CCT2) (NM_001198842) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCP1 beta
Synonyms:	99D8.1; CCT-beta; CCTB; HEL-S-100n; PRO1633; TCP-1-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230842 representing NM_001198842
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACAAAATTCTTCTAAGCAGTGGACGAGATGCCTCTCTTATGGTAACCAATGATGGTGCCACTATTC
 TAAAAAACATTGGTGTGACAATCCAGCAGCTAAAGTTTTAGTTGATATGTCAAGGGTTCAGATGATGA
 AGTTGGTATGGCACTACCTCTGTTACCGTTTTAGCAGCAGAATTATTAAGGGAAGCAGAATCTTTAATT
 GCAAAAAAGATTCATCCACAGACCATCATAGCGGTTGGAGAGAAGCCACGAAGGCTGCAAGAGAGGCGC
 TGTTGAGTTCTGCAGTTGATCATGGTCCGATGAAGTTAAATCCGTCAAGATTTAATGAATATTGCGGG
 CACAACATTATCCTCAAACTTCTTACTCATCACAAAGACCCTTTACAAAGTTAGCTGTAGAAGCAGTT
 CTCAGACTGAAAGGCTCTGGCAACCTGGAGGCAATTCATATTATCAAGAAGCTAGGAGGAAGTTGGCAG
 ATTCCTATTTAGATGAAGGCTTCTGTTGGATAAAAAAATGGAGTAAATCAACCAAAACGAATTGAAAA
 TGCTAAAATTCTATTGCAAATACTGGTATGGATACAGACAAAAAAAGATATTTGGTCCCGGGTAAAG
 GTTGACTCTACAGCAAAGGTTGCAGAAATAGAATGCGGAAAAGGAAAAATGAAGGAGAAAGTTGAAC
 GTATTCCTAAGCATGGAATAAATTGCTTTATTAACAGGCAATTAATTTATAATTATCCTGAACAGCTCTT
 TGGTGCTGCTGGTGTATGGCTATTGAGCATGCAGATTTTGCAGGTGTGGAACGCCTAGCTCTTGTCCACA
 GGTGGTGAATTCCTCTACCTTGTATCACCCAGAAGCTGGTGAAGCTTGAAGTTGCAAACCTATCGAGG
 AAGTCATGATTGGAGAAGACAACTCATTCACTTTTCTGGGGTTCCTTGGTGAGGCTTGTACCATTGT
 TTTGCGTGGTGCCACTCAACAAATTTAGATGAAGCAGAAAGATCATTGCATGATGCTCTTTGTGTTCTT
 GCGCAAAGTAAAGGACTCTAGAACAGTTTATGGAGGAGGCTGTTCTGAGATGTTGATGGCTCATGCTG
 TGACACAGCTTGCCAATAGAACCAGGCAAGAAAGCTGTTGCAATGGAGTCTTATGCTAAAGCATTGAG
 AATGTTGCCAACCATCATAGCTGACAATGCAGGCTATGACAGTGCAGACCTGGTGGCACAGCTCAGGGCT
 GCTCACAGTGAAGGCAATACCACTGCTGGATTGGATATGAGGGAAGGCACCATTGGAGATATGGCTATCC
 TGGGTATAACAGAAAGTTTTCAAGTGAAGCGACAGGTTCTTCTGAGTGCAGCTGAAGCAGCAGAGGTGAT
 TCTGCGTGTGGACAACATCATCAAAGCGGCACCCAGGAAACGTGTCCCTGATCACCACCCCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230842 representing NM_001198842
 Red=Cloning site Green=Tags(s)

MDKILLSGRDASLMVTNDGATILKNIGVDNPAKVLVDMRSRVQDDEVDGTTSVTVLAAELLREAESLI
 AKKIHPQTIIAGWREATKAAREALLSSAVDHGSDEVKFRQDLMNIAGTTLSSKLLTHHKDHFTKLAVEAV
 LRLKSGSNLEAIIHIIKKLGGSLADSYLDEGFLLDKKIGVNPQKRIENAKILIANMGMDTDKIKIFGSRVR
 VDSTAKVAEIEHAEKEKMKEVERILKHGINCFINRQLIYNYPEQLFGAAGVMAIEHADDFAGVERLALVT
 GGEIASTFDHPELVKLGSKLIEEVMIGEDKLIHFSGVALGEACTIVLRGATQQILDEAERSLHDALCVL
 AQTVKDSRTVYGGCSEMLMAHAVTQLANRTPGKEAVAMESYAKALRMLPTIIADNAGYDSADLVAQLRA
 AHSEGNTTAGLDMREGTIGDMAILGITESFQVKRQVLLSAAEAAEVILRVDNIIKAAPKRKVPDHHPC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

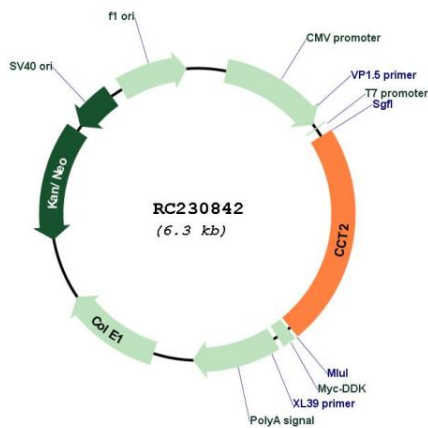
Cytogenetics: 12q15

Protein Families: Druggable Genome

MW: 52.7 kDa

Gene Summary: 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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RC230842