

Product datasheet for **RG205267**

CCT6B (NM_006584) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CCT6B
Synonyms:	CCT-zeta-2; CCTZ-2; Cctz2; TCP-1-zeta-2; TSA303
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205267 representing NM_006584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGCGATAAAGCCGCTCAACTCCAAGGCTGAGGTGGCGGGCCAGGCAGCTTTGGCTGTCAATA
 TATGCGCCGCCGAGGGCTGCAGGATGTGCTGCGGACCAACTTGGGTCCTAAAGGCACCATGAAATGCT
 TGCTTCTGGTGAGGTGACATCAAACTCACAAAGATGGCAATGTACTGCTCGATGAGATGCAAAATTCAA
 CATCCAACAGCTTCTTGTAGCAAAAGTAGCAACAGCTCAGGATGACGTCACAGGAGATGGTACTACTT
 CAAATGTTCTAATTATTGGAGAGTTATTAACAAGCTGACCTGTACATTTCTGAGGGCTGCACCCTAG
 AATAATAGCTGAAGGATTGAAGCTGCAAGATAAAGCACTTGAAGTTTGGAGGAAGTTAAAGTGACA
 AAGGAGATGAAAAGAAAATCCTCTTAGATGTAGCTAGAACATCATTACAACTAAAGTTTATGCTGAAC
 TGGCTGATGTCTTAACAGAGGTTGTGGTGATTCTGTTTGGCTGTAGAAGACCAGGTTACCCTATTGA
 TCTCTTCATGGTAGAAATAATGGAGATGAAGCATAAATTAGGAACAGATACAAAGTTGATCCAAGGATTA
 GTTTTGGATCATGTGCCCGTCATCCAGATATGAAGAAGCGAGTAGAAGATGCATTTATCCTTATTGCA
 ACGTTTCACTGGAATATGAAAAACAGAGGTGAAGTCTGGTTCTTTTATAAGACTGCAAGAGAGAAAGA
 GAAATGGTAAAAGCTGAAAGAAAATTTATTGAAGTAGAGTACAAAAATAATAGACCTGAAGGACAAA
 GTCTGTGCTCAGTCAAAATAAGGATTTGTGCTCATTAAATCAAAGGGAATTGATCCATTTTCTTAGATT
 CTCTTGCAAAACATGGAATAGTAGCTCTTCGCAGAGCAAAAAGAAGAAATATGGAAGACTCTCTTGTG
 TTGTGGTGAATGGCCGTGAATTCTTTGAAGATCTCACTGTAGATTGCTTGGGACATGCTGGTCTTGTG
 TATGAGTATACATTAGGTGAAGAAAAGTTCACTTTATTGAGGAGTGTTAAACCTTGCTCTGTTACCT
 TGTTGGTTAAAGGACCAATAAGCATACTCTCACACAAGTCAAGGATGCCATAAGAGATGGACTTCGTGC
 TATCAAAATGCCATTGAAGATGGTTGTATGGTTCTGGAGCTGGTGCAATTGAAGTGGCAATGGCTGAA
 GCTCTTGTTACATATAAGAACAGTATAAAGGAAGAGCTCGTCTTGGAGTCCAAGCTTTTGTGTATGCT
 TACTCATTATTCCTCAAGGTTCTTGTCTCAGATGCTGTTATGACCCACAGGAAACATTAGTAAAGTTCA
 GGCTGAGCATGTGAGTCAAACTTGTGGCGTAGATTGAATACAGGTGAGCCAATGGTAGCAGCA
 GATGCAGGAGTTTGGGATAATTATTGTGTAACAAAAACAACCTCTTCACTTGCACAGTGATTGCCACCA
 ACATTCTCTGGTTGATGAAATTATGCGAGCTGGGATGTCTCTCTCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205267 representing NM_006584
 Red=Cloning site Green=Tags(s)

MAAIKAVNSKAEVARAQAALAVNICAARGLDVLRNLGPKGTMKMLASGAGDIKLTGDGNVLLDEMQUIQ
 HPTASLIAKVATAQDDVTGDGTTSNVLIIGELLQADLYISEGLHPRIIAEGFEAAKIKALEVLEEKVKT
 KEMKRKILLDVARTSLQTKVHAELADVLTEVVVDSVLAVRRPGYPIDLFMVEIMEMKHLGTDTKLIQGL
 VLDHGARHPDMKKRVEDAFILICNVSLYEKTEVNSGFFYKTAEEKEKLVKAERKFIEDRVQKIIDLKDK
 VCAQSNKGFVVINQKGIDPFLDSLAKHGIVALRRARRNMRSLACGGMAVNSFEDLTVDCLGHAGLV
 YEYTLGEEKFTFIEECVNPCSVTLTVKGNPKHTLTQVKDAIRDGLRAIKNAIEDGCMVPGAGAEVAMAE
 ALVTYKNSIKGRARLGVQAFADALLIIPKVLQAGYDPQETLVKVQAEHVESKQLVGVDLNTGEPMAVA
 DAGVWDNYCVKKQLLHSCVTIATNILLVDEIMRAGMSSLK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006584

ORF Size: 1590 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006584.2](#), [NP_006575.2](#)

RefSeq Size: 1828 bp

RefSeq ORF: 1593 bp

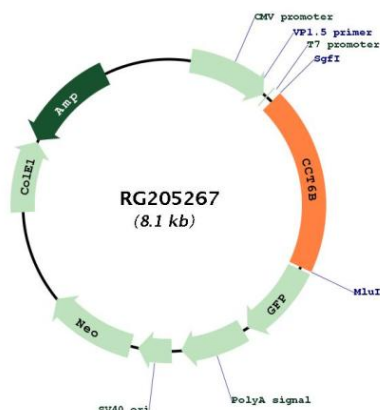
Locus ID: 10693

UniProt ID: [Q92526](#)

Cytogenetics: 17q12

Gene Summary: This gene encodes 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Product images:



Circular map for RG205267