

Product datasheet for **RG217027**

CCT6A (NM_001762) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CCT6A
Synonyms:	CCT-zeta; CCT-zeta-1; CCT6; Cctz; HTR3; MoDP-2; TCP-1-zeta; TCP20; TCPZ; TTCP20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG217027 representing NM_001762
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCGGTGAAGACCTGAACCCCAAGGCCGAGGTGGCCGAGCGCAGGCGGCGCTGGCGGTCAACA
 TCAGCGCAGCGCGGGTCTGCAGGACGTGCTAAGGACCAACCTGGGGCCCAAGGCGACCATGAAGATGCT
 CGTTTTCTGGCGCTGGAGACATCAAACCTTACTAAAGACGGCAATGTGCTGCTTCACGAAATGCAAATTCAA
 CACCCAACAGCTTCTCTTAATAGCAAAGGTAGCAACAGCCAGGATGATATACTGGTGATGGTACGACTT
 CTAATGTCTAATCATTGGAGAGCTGCTGAAACAGGCGGATCTCTACATTTCTGAAGGCCTTCATCCTAG
 AATAATCACTGAAGGATTGAAGCTGCAAAGGAAAAGGCCCTTCAGTTTTTGAAGAAGTCAAAGTAAGC
 AGAGAGATGGACAGGGAACACTTATAGATGTGGCCAGAACATCTCTCGTACTAAAGTTCATGCTGAAC
 TTGCAGATGTCTTAACAGAGGCTGTAGTGGACTCCATTTTGCCATTAAAAAGCAAGATGAACCTATTGA
 TCTCTTCATGATTGAGATCATGGAGATGAAACATAAATCTGAACTGATACAAGCTTAATCAGAGGGCTT
 GTTTTGGACCACGAGCAGGCATCCTGATATGAAGAAAAGGTGGAGGATGCATACATCCTCACTTGTA
 ACGTGTCTTAGAGTATGAGAAAACAGAAGTGAATTCTGGCTTTTTTACAAGAGTGCAGAAGAGAGAGA
 AAAACTCGTGAAAGCTGAAAGAAAATTCTTGAAGTAGGGTTAAAAAATAATAGAAGTGAAGAGGAA
 GTCTGTGGCGATTGAGATAAGGATTTGTTGTTATTAATCAAAGGGAATTGACCCCTTTCTCTAGATG
 CTCTTTCAAAGAAGGCATAGTCGCTCTGCGCAGAGCTAAAAGGAGAAATATGGAGAGGCTGACTCTTGC
 TTGTGGTGGGTAGCCCTGAATCTTTTGACGACCTAAGTCCTGACTGCTTGGGACATGCAGGACTTGTA
 TATGAGTATACATTGGGAGAAGAGAAGTTACCTTTATTGAGAAATGTAACAACCTCGTTCTGTCACAT
 TATTGATCAAAGGACCAATAAGCACACACTCACTCAGATCAAAGATGCAGTGAGGGACGGCTTGAGGGC
 TGTCAAAATGCTATTGATGATGGCTGTGTGGTTCCAGGTGCTGGTGCCGTGGAAGTGGCAATGGCAGAA
 GCCCTGATTAACATAAGCCCAGTGTAAAGGGCAGGGCACAGCTTGGAGTCCAAGCATTGTCTGATGCAT
 TGCTCATTATCCCAAGGTTCTTGCTCAGAACTCTGGTTTGGACCTTCAGGAAACATTAGTTAAATTC
 AGCAGAACATTGAGATCAGGTGAGCTTGTGGGTGGACCTGAACACAGGTGAGCCAATGGTGGCAGCA
 GAAGTAGGCGTATGGGATAACTATTGTGTAAGAAACAGCTTCTTCACTCTGCATGTGATTGCCACCA
 ACATTCTCTGTTGATGAGATCATGCGAGCTGGAATGTCTCTCTGAAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217027 representing NM_001762
 Red=Cloning site Green=Tags(s)

MAAVKTLNPKAEVARAQAALAVNISAARGLQDVLRTNLGPKGTMKMLVSGAGDIKLTGDGNVLLHEMQIQ
 HPTASLIQVATAQDDITGDGTTSNVLIIGELLKQADLYISEGLHPRIITEGFEAAKEKALQFLEEYKVS
 REMDRETLIDVARTSLRTKVHAELADVLTEAVVDSILAIAKKQDEPIDLFMIEIMEMKHKSETDTSIRGL
 VLDHGARHPDMKKRVEDAYILTCNVSLYEKTEVNSGFFYKSAEEREKLVKAERKFIEDRVKKIIELEKRL
 VCGSDSKGFVVINQKGIDPFLDALSKGIVALRRARRNMRERLTACGGVALNSFDDLSPDCLGHAGLV
 YEYTLGEEKFTFIEKCNPRSVTLTIKGNPKHTLTQIKDAVRDGLRAVKNAIDGCVVPGAGAVEVAMAE
 ALIKHKPSVKGRAQLGVQAFADALLIIPKVLQNSGFDLQETLVKIQAEHSESGQLVGVDLNTGEPMVAA
 EVGVWDNYCVKKQLLHSCVTIATNILLVDEIMRAGMSSLKG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001762

ORF Size: 1593 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.

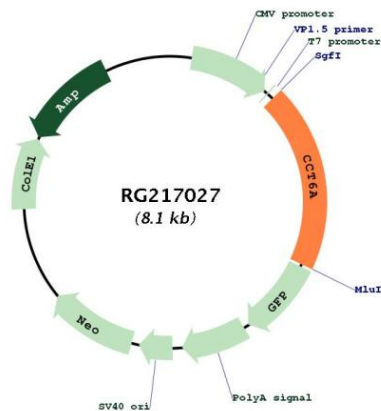
RefSeq: [NM_001762.2](#)

RefSeq Size: 2682 bp

RefSeq ORF: 1596 bp
Locus ID: 908
UniProt ID: [P40227](#)
Cytogenetics: 7p11.2
Domains: cpn60_TCP1

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. Alternate transcriptional splice variants of this gene, encoding different isoforms, have been characterized. In addition, several pseudogenes of this gene have been located. [provided by RefSeq, Jun 2010]

Product images:



Circular map for RG217027