

Product datasheet for **RG212330**

CCT6A (NM_001009186) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCT6A (NM_001009186) Human Tagged ORF Clone
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)



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ORF Nucleotide Sequence:

>RG212330 representing NM_001009186
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGGTGAAGACCCTGAACCCCAAGGCCGAGGTGGCCCGAGCGCAGGCGGCGCTGGCGGTCAACA
 TCAGCGCAGCGCGGGTCTGCAGGACGTGCTAAGGACCAACCTGGGGCCCAAGGGCACCATGAAGATGCT
 CGTTTCTGGCGCTGGAGACATCAAACCTTAAAGACGGCAATGTGCTGCTTACAGAAATGGGCCTTCAT
 CCTAGAATAATCACTGAAGGATTTGAAGCTGCAAAGGAAAGGCCCTTCAGTTTTTGAAGAAGTCAAAG
 TAAGCAGAGAGATGGACAGGAAACACTTATAGATGTGGCCAGAACATCTCTCGTACTAAAGTTTCATGC
 TGAAGTTCAGATGTCTTAACAGAGGCTGTAGTGGACTCCATTTTGGCCATTAAGCAAGATGAACCT
 ATTGATCTCTTCATGATTGAGATCATGGAGATGAAACATAAATCTGAACTGATACAAGCTTAATCAGAG
 GGCTTGTGGTGGACACGAGCAGGCATCCTGATATGAAGAAAGGGTGGAGGATGCATACATCCTCAC
 TTGTAACGTGTCATTAGAGTATGAGAAACAGAAGTGAATTCTGGCTTTTTTACAAGAGTGCAGAAAG
 AGAGAAAACTCGTGAAAGCTGAAAGAAAATTCATTGAAGATAGGGTTAAAAAATAATAGAACTGAAAA
 GGAAAGTCTGTGGCGATTGAGATAAAGGATTTGTTGTTATTAATCAAAAGGGAATTGACCCCTTTTCCTT
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 CTTGCTTGTGGTGGGTAGCCCTGAATTCCTTTGACGACCTAAGTCTGACTGCTTGGGACATGCAGGAC
 TTGTATATGAGTATACATTGGGAGAAGAGAAGTTACCTTTATTGAGAAATGAACAACCTCGTTCTGT
 CACATTATTGATCAAAGGACCAATAAGCACACACTCACTCAGATCAAAGATGCAGTGAGGGACGGCTTG
 AGGGCTGTCAAAATGCTATTGATGATGGCTGTGTGGTCCAGGTGCTGGTGCCGTGGAAGTGGCAATGG
 CAGAAGCCCTGATTAAACATAAGCCCAAGTGTAAAGGGCAGGGCACAGCTTGAGTCCAAGCATTGCTGA
 TGCATTGCTCATTATTCCCAAGGTTCTTGCTCAGAACTCTGGTTTTGACCTTCAGGAAACATTAGTTAAA
 ATTCAAGCAGAACATTGAGAATCAGGTCAGCTTGTGGGTGTGGACCTGAACACAGGTGAGCCAATGGTGG
 CAGCAGAAGTAGGCGTATGGGATAACTATTGTGTAAGAAACAGCTTCTCACTCCTGCACTGTGATTGC
 CACCAACATTCTTGTGTTGATGAGATCATGCGAGCTGGAATGTCTTCTGAAAGGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

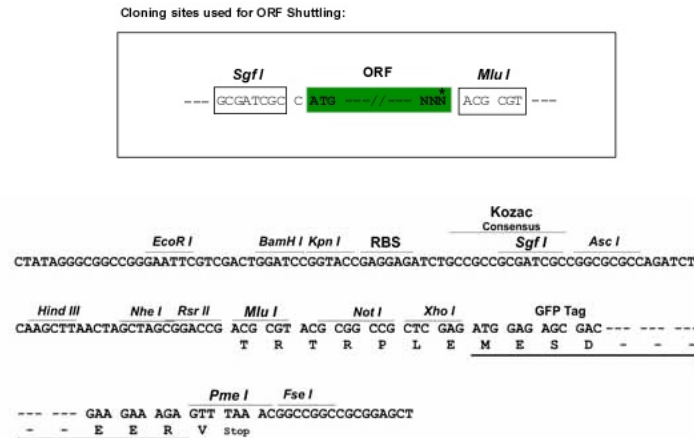
>RG212330 representing NM_001009186
 Red=Cloning site Green=Tags(s)

MAAVKTLNPKAEVARAQAALAVNISAARGLDVLRNLGPKGTMKMLVSGAGDIKLTKDGNVLLHEMGLH
 PRIITEGFEEAKEKALQFLEEVKSREMDRETLIDVARTSLRTKVHAELADVLTEAVVDSILAIAKKQDEP
 IDLFMIEIMEMKHKSETDTSIRGLVLDHGARHPDMKKRVEDAYILTCNVSLEYEKTEVNSGFFYKSAEE
 REKLKKAERKFIEDRVKKIIEELKRKVCSDKGFVVINQKIDPFSLDALKEGIVALRRAKRRNMERLT
 LACGGVALNSFDDLSPDCLGHAGLVYEYTLGEEKFTFIEKCNPRSVTLTIKGNPKHTLTQIKDAVRDGL
 RAVKNAIDDGCVVPGAGAVEVAMAEALIKHKPSVKGRAQLGVQAFADALLIIPKVLAQNSGFDLQETLVK
 IQAEHSESGQLVGVDLNTGEPMAAEVGVWDNYCVKKQLLHSCVTIATNILLVDEIMRAGMSSSLKG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001009186

ORF Size: 1458 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.

RefSeq: [NM_001009186.2](#)

RefSeq Size: 2547 bp

RefSeq ORF: 1461 bp

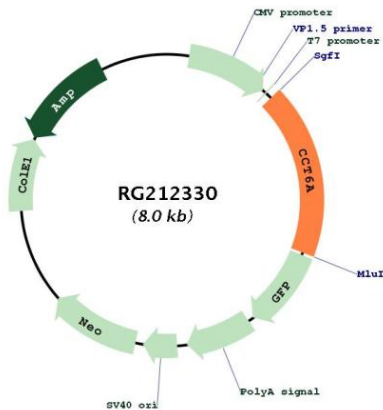
Locus ID: 908

UniProt ID: [P40227](#)

Cytogenetics: 7p11.2

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 RG212330