

Product datasheet for **RN207456**

Cct2 (NM_001005905) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct2 (NM_001005905) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cct2
Synonyms:	MGC94480
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207456 representing NM_001005905
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCCCTTTCCCTTGCACCTGTTAATATCTTCAAGGCTGGAGCTGATGAAGAGAGGGCAGAGACAG
 CTCGCCTGTCATCCTTTATTGGTGCCATTGCCATTGGAGACTTGGTGAAGAGCACTTTGGGACCGAAGGG
 CATGGATAAAATTCCTTAAGCAGTGGACGGGATGCCTCTCTGATGGTGACCAATGACGGTGCCACCATT
 CTCAAAAACATCGGTGTTGACAACCCAGCAGCCAAAGTTCTAGTTGATATGTCAAGAGTTCAGGATGATG
 AAGTTGGTGACGGCACCACCTCTGTTACTGTCTTAGCTGCAGAGCTACTCCGGGAAGCGGAATCTTTAAT
 TGCAAAAAGATCCATCCACAGACCATCATTGCGGGTTGGAGGGAAGCCACAAAGGCAGCAAGAGAGGGCC
 CTGCTGAGCTCAGCTGTGGATCATGGTTCTGATGAAGTCAAATTCGGCAAGATTTAATGAATATTGCAG
 GAACAACATTATCCTCAAACTCCTTACTCACCACAAGGACCACCTTACTAAATTAGCTGTAGAAGCTGT
 GCTCAGACTGAAAGGCTCTGGCAATCTGGAGGCGATCCACGTCAAGAAGCTAGTGAGGAGCCTGGCA
 GACTCCTACCTTGATGAAGGTTTTCTCTTGATAAAAAATTGGAGTAAATCAACCAAAGAGAATTGAAA
 ATGCTAAAATTCTTATTGCGAATACTGGCATGGATACAGACAAAAATAAGATATTTGGCTCTCGGGTAAG
 AGTTGATTCACAGCCAAGGTTGCAGAGATAGAACATGCAGAAAAGGAGAAGATGAAGGAGAAAAGTTGAA
 CGTATTCTTAAGCATGGAATAAACTGCTTTATTAACAGACAGTTAATTTATAATTACCCTGAACAACTCT
 TCGGTGCTGCTGGCGTCATGGCTATTGAGCATGCAGATTTTGCAGGTGTGGAACGCTAGCTCTTGTCAC
 AGGTGGTGAATTTGCCTACCTTTGATCATCCAGAACTTGTGAAGCTTGAAGTTGCAAACTTATTGAA
 GAAGTTATGATTGGGGAAGATAAACTCATTCACTTTTCTGGGGTTGCCCTTGGTGAAGCTTGTACCATTTG
 TACTTCGTGGTGCCACTCAGCAATTTTGGATGAGGCTGAAAGATCTCTGCATGATGCCCTTTGTGTTCT
 TGCCCAAAGTGTAAAAGATCCTAGAACAGTTTATGGAGGAGGTTGTTCTGAGATGCTGATGGCTCATGCT
 GTGACAATGCTTGCCAGTGAACCCAGGAAAAGAAGCCGTAGCAATGGAGTCATTTGCTAAGGCCCTGA
 GAATGTTGCCAACGATCATAGCTGACAATGCAGGCTATGACAGTGCAGATCTGGTGGCACAGCTCCGAGC
 TGCTCACAGTGAAGGCCGTATAACTGCTGGACTGGATATGAAGGAAGGCAGCATTGGTATATGGCAGTA
 CTGGGTATAACCGAGAGCTTTCAAGTGAAGCGGCAGGTTCTTTTGTAGTGCGGCGGAAGCAGCAGAGGTGA
 TTCTACGAGTGGACAACATCATCAAGCGGCACCAAGGAAACGTGCCCTGATCACCACCCTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001005905

Insert Size: 1608 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001005905.1](#), [NP_001005905.1](#)

RefSeq Size: 1930 bp

RefSeq ORF: 1608 bp

Locus ID: 299809

UniProt ID: [Q5XIM9](#)

Cytogenetics: 7q22

Gene Summary: Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance. As part of the TRiC complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. The TRiC complex plays a role in the folding of actin and tubulin.[UniProtKB/Swiss-Prot Function]