

## Product datasheet for **MC203146**

### **Cct2 (NM\_007636) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cct2 (NM_007636) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cct2
Synonyms:	Cctb
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC026918  
 CTCTTTCCCGGCTGGCTTCCCGGCGCGGATTGTGAGGGTTCTCTCTCTACGCGGAATCCGTCGGAA  
 CCATGGCTTCCCTTTCCCTCGCACCTGTTAATATCTTCAAGGCTGGAGCTGATGAAGAGAGGGCCGAGAC  
 AGCTCGCTGTGCTGTTATCGGTGCCATCGCCATTGGAGACTTGGTGAAGAGCACTTTGGGACCGAAG  
 GGCATGGACAAAATTCTCCTAAGCAGTGGACGAGACGCCGCTCTGATGGTGACCAACGACGGTGCTACCA  
 TTCTCAAGAACATTGGTGTGGACAACCCCGCAGCAAAGTTCTAGTTGATATGCAAGGGTCAAGATGA  
 TGAAGTTGGTGTGGCACTACCTCTGTTACTGTCTTAGCCGAGAGCTGCTCCGGGAAGCAGAATCTTTA  
 ATTGCAAAAAAGATACATCCACAGACCATCATCTCAGTTGGAGAGAAGCCACAAAAGGCAGCAAGAGAGG  
 CCCTGCTGAGCTCCGCTGTGGATCATGGTTCTGATGAAGCCAGATTCTGGCAGGACTTAATGAACATTGC  
 AGGAACGACATTGCTCCTCAAAGCTCCTTACTACCACAAGGACCCTTTACTAACTGGCCGTGGAAGCG  
 GTTCTCAGACTGAAAGGCTCTGGCAACCTGGAGGCGATTGATGTCATCAAGAACTAGGTGGGAGTCTGG  
 CAGACTCTATCTAGATGAAGGTTTTCTTTGGATAAAAAAATTGGAGTAAATCAACCAAAGAGAATTGA  
 AAATGCTAAAATCTTATTGCAAATACTGGGATGGATACAGACAAAATAAAGATATTTGGCTCTCGGGTA  
 AGAGTTGATTCCACAGCAAAGGTTGCAGAGATAGAATGCAGAAAAGGAGAAGATGAAGGAGAAAGTTG  
 AACGATTTCTTAAGCATGGAATAAATTGCTTTATTAACAGACAGTTAATTTATAATTACCCTGAACAACT  
 CTTCCGGCCTGCTGGCGTCATGGCTATTGAGCATGCGGATTTCCGAGGTGTGGAGCGCCTCGCTCTGTGC  
 ACAGGTGGTGAGATTGCCTTACCTTTGATCACCCAGAATTGTGAAGCTTGAAGTTGCAAACTTATTG  
 AAGAAGTTATGATCGGGGAAGATAAACTCATTCTTTCTGGGTTGCCCTTGGTGAGGCATGCACCAT  
 TGTGCTTCGTGGTGCCACTCAGCAAATCTGGATGAAGCTGAACGATCTCTGCATGATGCTTTGTGTT  
 CTTGCTCAGACTGTAAGATCCTAGAACAGTTTACGGGGGAGGCTGCTCTGAGATGCTGATGGCCCATG  
 CTGTGACACAGCTTGCCAACAGAACCCAGGAAAAGAAGCTGTAGCAATGGAGTCGTTTGCAAAAAGCCCT  
 GAGAATGTTGCCACCATCATAGCCGACAATGCGGGCTATGACAGTGCAGATCTGGTGCCACAGCTCCGA  
 GCTGCTCACAGTGAAGGCCATATACTGCTGGACTGGATATGAAGGAAGTACCATCGGGATATGGCAG  
 TACTGGGTATAACAGAGAGTTTTCAAGTGAAGCGACAGGTTCTTCTGAGTGCGGCTGAAGCAGCAGAGGT  
 GATCCTGCGAGTGGACAACATTATCAAAGCAGCACCAAGGAAACGTGTCGCCGATCACCCCCCTGTTAA  
 GCATCCCATTTGCTGATGAACTCTGGGCCAGTTCATAGCAAAGTTGACTTGGAAAGACTCAACCTTTA  
 AAGAAGACTGGTGAATTGACCTGTCCATGATAGCCTTAAGTTTGAACATTAGCTGACCTTCTGTGTTAA  
 ACATGGGTCTAATTTATTTACTGTTTCATTTCCATACAATTCAGTTGATTTACAAGTTCATTTCTCATA  
 CTGTGATTAATAAAAAATCCAGTTACTTAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_007636

**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: [BC026918](#), [AAH26918](#)

RefSeq Size: 1929 bp

RefSeq ORF: 1608 bp

Locus ID: 12461

UniProt ID: [P80314](#)

Cytogenetics: 10 D2

**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]