

## Product datasheet for **MC218792**

### **Cct3 (NM\_009836) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cct3 (NM_009836) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cct3
Synonyms:	AL024092; Cctg; Tcp1-rs3; TriC-P5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218792 representing NM\_009836  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGGGCCACCGTCCAGTGCTCGTGCTCAGTACAGAACAAAGCGTGAATCTGGAAGAAAAGTTCAGT  
 CTGGAAATATCAATGCTGCAAAGACAATTGCAGACATCATCCGGACCTGCTTGGGACCTAAATCTATGAT  
 GAAGATGCTTTTGGACCAATGGGAGGCATCGTGATGACCAATGATGGCAATGCCATTCTTCGAGAGATT  
 CAAGTCCAGCATCCCGCAGCAAAGTCCATGATTGAAATTAGCAGGACCCAGGATGAAGAGTTGGAGATG  
 GGACCACATCAGTAATTATTCTTGGGGAGAAATGCTCTCTGTGGCTGAACACTTCTAGAGCAGCAGAT  
 GCACCCAAAGTGGTGATCAGTGCTTACCGCATGGCACTGGATGATATGATCAGCACTCTGAAGAAAATC  
 AGTACTCTGTTGATGTCAATAACCGTGAGATGATGTTGAGCATCATCAATAGCTCTATTACTACAAAAG  
 TCATCAGTCGGTGGTCTCCTTGGCATGCAACATTGCACTGGATGCTGTTAAGACTGTGCAGTTTGAAGA  
 GAATGGCAGAAAGAAATTGACATCAAAAAATATGCAAGGTAGAAAAGATACCCGGGGGCATCATTGAA  
 GACTCATGTGCTTACGTGGAGTTATGATTAACAAGGATGTGACCCATCCAAGGATGCGCCGCTATATTA  
 AGAATCCTCGAATTGTGCTATTGGATTCTCTTTGGAGTACAAGAAAGGAAAGCCAGACCCGACATCGA  
 GATTACCCGGGAGGAGGACTTCACGCGGATCCTGCAGATGGAGGAGGAGTACATCCATCAGCTGTGTGAG  
 GACATCATCCAGCTGAAGCCTGACGTGGTATCACAGAGAAGGGCATCTCAGATTTAGCTCAGCACTACC  
 TCATGCGGGCCAAATGTCACAGCCATTCTAGAGTCCGGAAAACAGACAATAATCGCATTGCTAGAGCCTG  
 TGGGGCACGGATAGTCAGCCGACCTGAGGAACTGAGAGAAGATGATGTTGGTACAGGGGCAGGCTTATTG  
 GAAATCAAGAAGATTGGAGATGAGTACTTTACATTCACTACTGCAAGACCCAAAGGCCTGCACCA  
 TTCTTTAGAGGAGCCAGCAAAGAGATACTCTCGGAAGTAGAAGCAACCTCCAGGATGCCATGCAAGT  
 GTGCCGCAATGTTCTACTGGACCCTCAGCTGGTGGTGGTGGAGCCTCTGAGATGGCTGTGGCTCAT  
 GCCTTGACAGAAAAATCTAAGGCCATGACTGGTGTGGAACAATGGCCATATAGAGCTGTGGCCAGGCGT  
 TAGAGGTCATCCCTCGGACCTTGATCCAGAATTGTGGGGCCAGTACCATTCTGCTGCTTACCTCCCTTCG  
 GGCCAAGCACACAGGAGAGTTGTGAGACCTGGGGTGTGAATGGTGGAGACTGGTACCTTGGTGGACATG  
 AAAGAGCTGGGTATTTGGGAGCCATTGGCTGTGAAGCTACAAACGTACAAAACAGCAGTAGAGACTGCAG  
 TTCTGCTTCTGCGGATTGATGACATTGTCTCTGGCCACAAGAAGAAGGTGATGACCAGAACCGGCAAAAC  
 TGGTGCTCCAGATGCTGGCCAGGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_009836

**Insert Size:** 1638 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\\_009836.1](#), [NP\\_033966.1](#)

**RefSeq Size:** 1957 bp

**RefSeq ORF:** 1638 bp

**Locus ID:** 12462

**UniProt ID:** [P80318](#)

**Cytogenetics:** 3 38.79 cM

**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]