

## Product datasheet for **MR208575**

### **Cct2 (NM\_007636) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cct2 (NM_007636) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cct2
Synonyms:	Cctb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208575 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCCCTTTCCCTCGCACCTGTTAATATCTTTAAGGCTGGAGCTGATGAAGAGAGGGCCGAGACAG  
 CTCGCCTGTCGTCGTTTATCGGTGCCATCGCCATTGGAGACTTGGTGAAGAGCACTTTGGGACCGAAGGG  
 CATGGACAAAATTCTCCTAAGCAGTGGACGAGACGCCGCTCTGATGGTGACCAACGACGGTGCTACCATT  
 CTCAAGAACATTGGTGTGGACAACCCCGCAGCAAAGGTTCTAGTTGATATGTCAAGGGTTCAAGATGATG  
 AAGTTGGTATGGCACTACCTCTGTTACTGTCTTAGCCGAGAGCTGCTCCGGGAAGCAGAATCTTTAAT  
 TGCAAAAAAGATACATCCACAGACCATCATCTCAGGTTGGAGAGAAGCCACAAAGGCAGCAAGAGAGGCC  
 CTGCTGAGCTCCGCTGTGGATCATGGTTCTGATGAAGCCAGATTCTGGCAGGACTTAATGAACATTGCAG  
 GAACGACATTGTCCTCAAAGCTCCTTACTCACCACAAGGACCACCTTACTAACTGGCCGTGGAAGCGGT  
 TCTCAGACTGAAAGGCTCTGGCAACCTGGAGGCGATTTCATGTCATCAAGAACTAGTGGAAGTCTGGCA  
 GACTCCTATCTAGATGAAGGTTTTCTTTGGATAAAAAAATTGGAGTAAATCAACCAAAGAGAATTGAAA  
 ATGCTAAAATTCTTATTGCAAACTACTGGGATGGATACAGACAAAAATAAGATATTTGGCTCTCGGGTAAG  
 AGTTGATCCACAGCAAAGGTTGCGAGATAGAACATGCAGAAAAGGAGAAGATGAAGGAGAAAAGTTGAA  
 CGTATTCTTAAGCATGGAATAAATTGCTTTATTAACAGACAGTTAATTTATAATTACCCTGAACAACTCT  
 TCGGCGCTGCTGGCGTCATGGCTATTGAGCATGCGGATTCGCGAGGTGTGGAGCGCCTCGCTCTTGTCAC  
 AGGTGGTGAAGTGCCTACCTTTGATCACCAGAAGTGTGAAGCTTGAAGTTGCAAACTTATTGAA  
 GAAGTTATGATCGGGGAAGATAAACTCATTCACTTTTCTGGGGTGCCTTGGTGAAGGATGCACCAATTG  
 TGCTTCGTGGTGCCACTCAGCAAATCTGGATGAAGCTGAACGATCTCTGCATGATGCTCTTGTGTTCT  
 TGCTCAGACTGTAAAAGATCCTAGAACAGTTTACGGGGGAGGCTGCTCTGAGATGCTGATGGCCCATGCT  
 GTGACACAGCTTGCCAACAGAACCCAGAAAAGAAGCTGTAGCAATGGAGTCGTTTGCAAAAGCCCTGA  
 GAATGTTGCCGACCATCATAGCCGACAATGCGGGCTATGACAGTGCAGATCTGGTGGCACAGCTCCGAGC  
 TGCTCACAGTGAAGGCCATAACTGCTGGACTGGATGAAGGAAGGTACCATCGGCGATATGGCAGTA  
 CTGGGTATAACAGAGAGTTTTCAAGTGAAGCGACAGGTTCTTCTGAGTGGGCTGAAGCAGCAGAGGTGA  
 TCCTGCGAGTGGACAACATTATCAAAGCAGCACCAGGAAACGTGTCCCCGATCACCACCCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208575 protein sequence  
 Red=Cloning site Green=Tags(s)

MASLSLAPVNIKAGADEERAETARLSSFIGAIAIGDLVKSTLGPKGMDKILLSSGRDAALMVTNDGATI  
 LKNIGVDNPAKVLVDMRSRVQDDEVDGTTSVTVLAAELLREAESLIAKKIHPQTII SGWREATKAAREA  
 LLSSAVDHGSDEARFWQDLMNIA GTTSSKLLTHHKDHF TKLAVEAVLRLKSGNLEA IHVIKLLGGS LA  
 DSYLDEGFLDKKIGVNPQPKRIENAKIL IANTGMDTKIKIFGSRVRVDSTAKVAEIEHAEKEKMEKVE  
 RILKHGINCFINRQLIYNPEQLFGAAGVMAIEHAD FAGVERLALVTGGEI ASTFDHPEL VKLGSKLIE  
 EVMIGEDKLIHFSGVALGEACTIVLRGATQQILDEAERSLH DALCVLAQT VKDPRTVYGGGCSEMLMAHA  
 VTQLANRTPGKEAVAMESFAKALRMLPTIIADNAGYDSADLVAQLRAAHSEGHITAGLDMKEGTIGDMAV  
 LGITESFQVQRQVLLSAAEAAEILRVDNIIKAA PRKRVDPDHHPC

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007636

**ORF Size:** 1608 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\\_007636.1](#), [NM\\_007636.2](#), [NP\\_031662.2](#)
**RefSeq Size:** 1962 bp

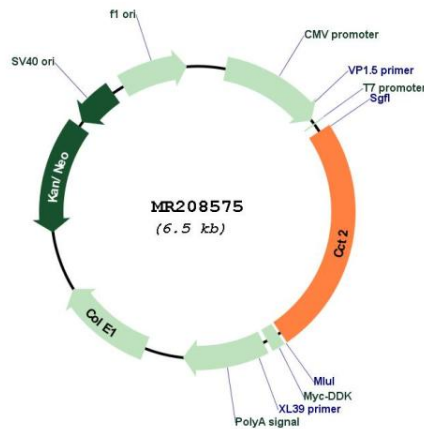
**RefSeq ORF:** 1608 bp

**Locus ID:** 12461

**UniProt ID:** [P80314](#)

Cytogenetics:	10 D2
MW:	57.5 kDa
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]

### Product images:



Circular map for MR208575