

## Product datasheet for **MR208636**

### **Cct5 (NM\_007637) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cct5 (NM_007637) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cct5
Synonyms:	CCT-epsilon; Ccte; mKIAA0098; TCP-1-epsilon; TCPE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208636 representing NM\_007637  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGTCCGTGGGGACCCTCGCCTTCGATGAGTATGGGCGCCCTTTCTCATTATCAAGGACCAAGATC  
 GCAAGTCCCGTCTCATGGGGCTTAGGGCCCTCAAGTCTCACATCATGGCTGCCAAAGCTGTAGCAAACAC  
 AATGCGGACGTCCTGGGACCAAACGGGCTGGACAAGATGATGGTTGATAAGGATGGCGATGTACTATA  
 ACAAACGATGGTGCCACCATTCTAAGCATGATGGATGTCGATCATCAGATTGCCAAGCTGATGGTTGAAC  
 TGTCCAAATCCCAGGATGATGAAATTGGAGATGGGACCACAGGAGTGGTTGTCTGGCTGGGGCCTTGT  
 GGAAGAAGCTGAACAGCTGCTGGACCGAGGCATCCACCAATCAGAATTGCTGATGGCTACGAGCAGGCT  
 GCCCGAATTGCAATACAACCTGGACAAGATCAGCGATAAAGTGCTTGTGACATAAAACACCCTGAAC  
 CTCTGATTCAGACTGCAAAAACCAGCTGGGCTCAAAGTGATTAACAGCTGTCACCGACAGATGGCTGA  
 GATCGCCGTGAATGCCGTCTCACGGTGCAGATATGGAGCGGAGAGATGTTGACTTTGAGCTCATTAAA  
 GTGGAAGGCAAAAGTAGGTGGGCGCTGGAAGACACCAAGCTCATAAAGGGTGTGATCGTTGACAAGGACT  
 TCAGCCACCCACAGATGCCGAAAAAAGTGGTAGATGCTAAGATTGCGATTCTCACGTGCCATTTAGACC  
 ACCTAAACCTAAGACAAAGCACAAGCTGGATGTCATGCTGTGGAGGACTACAAAGCCCTGCAGAAGTAC  
 GAAAAGGAGAAGTTTGAAGAGATGATTAAGCAGATTAAGAAAAGTGGTGCTAACCTAGCTATTTGCCAGT  
 GGGGCTTTGACGATGAAGCCAATCACTTACTTCTCAGAACGGCTACCTGCAGTCCGCTGGGTAGGGGG  
 ACCTGAGATTGAGCTGATCGCCATTGCAACAGGAGGACGGATTGTCCACGGTTCAGAGCTCACCTCT  
 GAGAAGCTGGGCTTTGCTGGTGTGGTGCAGGAGATCTCCTTTGGCACTACAAAAGACAAAATGCTGGTTA  
 TCGAAGTGTAAAGACTTAGAGCTGTGACCATTTTCATCAGAGGAGGAAAACAAGATGATCATGAAGA  
 AGCAAAAACGATCTCCATGATGCCCTGTGTGTCATCCGGAACCTCATCCGTGACAACCGTGTGTGTAT  
 GGAGGAGGGCAGCCGAAATATCCTGCGCCTGGCAGTCAGCCAAGAGGCAGACAAGTGCCCAACTTTGG  
 AACAGTATGCCATGAGAGCTTTTGCAGATGCCTTGGAGGTATCCCATGGCCCTTTAGAAAATAGTGG  
 CATGAATCCCATCAGACCATGACTGAAGTTCGAGCCAGACAGGTGAAGGAGTCTAACCTGCCCTGGGG  
 ATTGACTGTTTGCACAAGGGCAGTAACGATATGCAGTATCAGCATGTCATAGAAACCTTGATTGGCAAAA  
 AGCAGCAGATCTCTTTGCCACCAGATGGTTAGGATGATTCTGAAGATTGATGACATCCGTAAGCCTGG  
 AGAATCTGAAGAA

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>MR208636 representing NM\_007637  
 Red=Cloning site Green=Tags(s)

MASVGTALFDEYGRPFLIIKDQDRKSRLMGLEALKSHIMAAKAVANTMRTSLGPNGLDKMMVDKGDVTI  
 TNDGATILSMDVDHQIAKLMVELSKSQDDEIGDGTGTVVVLAGALLEEAEQLLDRGIHPRIADGYEQA  
 ARIAIQHLDKISDKVLVDINNPEPLIQAKTTLGSKVINSCHRQMAEIAVNAVLTVADMERRDVFELIK  
 VEGKVGGRLEDTKLIKGVIVDKDFSHQPMPKVVDAKIAILTCPFPPKPKTKHKLDMVSVEDYKALQKY  
 EKEKFEEMIKQIKETGANLAICQWGFDEANHLLLQNLPAVRWVGGPEIELIAIATGGRIVPRFSELTS  
 EKLGFAGVVQEIFSGTTKDKMLVIEKCKNSRAVTIFIRGGNKMIEEAKRSLHDALCVIRNLIIRDNRVY  
 GGGAAEISCALAVSQEADKPTLEQYAMRAFADALEVIMPALSENSGMNPIQTMTEVRARQVKESNPALG  
 IDCLHKGSNMQYQHVIETLIGKKQIISLATQMVRMILKIDDIRKPGESE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9075\\_a03.zip](https://cdn.origene.com/chromatograms/mm9075_a03.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NM\_007637

**ORF Size:** 1623 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\\_007637.3](#)
**RefSeq Size:** 1769 bp

**RefSeq ORF:** 1626 bp

**Locus ID:** 12465

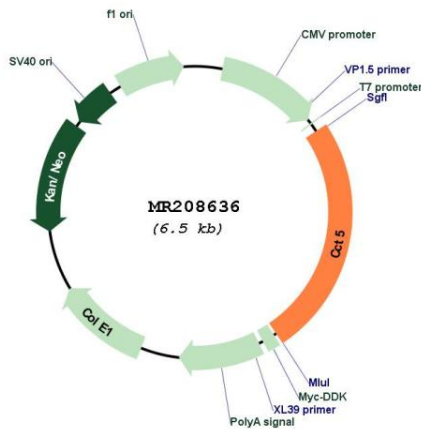
**UniProt ID:** [P80316](#)

**Cytogenetics:** 15 B2

**MW:** 59.6 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 MR208636