

Product datasheet for **MC218148**

Cct5 (NM_007637) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct5 (NM_007637) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC218148 representing NM_007637
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTCCGTGGGGACCCTCGCCTTCGATGAGTATGGGCGCCCTTTCTCATTATCAAGGACCAAGATC
GCAAGTCCCGTCTCATGGGGCTTGAGGCCCTCAAGTCTCACATCATGGCTGCCAAAGCTGTAGCAAACAC
AATGCGGACGTCCTGGGACCAAACGGGCTGGACAAGATGATGGTTGATAAGGATGGCGATGTGACTATA
ACAAACGATGGTGCCACCATTCTAAGCATGATGGATGTCGATCATCAGATTGCCAAGCTGATGGTTGAAC
TGTCCAAATCCCAGGATGATGAAATTGGAGATGGGACCACAGGAGTGGTTGTCTGGCTGGGGCCTTGT
GGAAGAAGCTGAACAGCTGCTGGACCGAGGCATCCACCAATCAGAATTGCTGATGGCTACGAGCAGGCT
GCCCGAATTGCAATACAACCTGGACAAGATCAGCGATAAAGTGCTTGTGACATAAAACACCCTGAAC
CTCTGATTCAGACTGCAAAAACCAGCTGGGCTCAAAGTGATTAACAGCTGTCACCGACAGATGGCTGA
GATCGCCGTGAATGCCGTCTCACGGTGGCAGATATGGAGCGGAGAGATGTTGACTTTGAGCTCATTAAA
GTGGAAGGCAAAGTAGGTGGGCGCTGGAAGACACCAAGCTCATAAAGGGTGTGATCGTTGACAAGGACT
TCAGCCACCCACAGATGCCGAAAAAAGTGGTAGATGCTAAGATTGCGATTCTCACGTGCCATTTGAGCC
ACCTAAACCTAAGACAAAGCACAAGCTGGATGTCATGCTGTGGAGGACTACAAAGCCCTGCAGAAGTAC
GAAAAGGAGAAGTTTGAAGAGATGATTAAGCAGATTAAGAAAAGTGGTGCTAACCTAGCTATTTGCCAGT
GGGGCTTTGACGATGAAGCCAATCACTTACTTCTCAGAACCGCCTACCTGCAGTCCGCTGGGTAGGGGG
ACCTGAGATTGAGCTGATCGCCATTGCAACAGGAGGACGGATTGTCCACGGTTCAGAGCTCACCTCT
GAGAAGCTGGGCTTTGCTGGTGTGGTGCAGGAGATCTCCTTTGGCACTACAAAAGACAAAATGCTGGTTA
TCGAGAAGTGTAAAGAACTTAGAGCTGTGACATTTTCATCAGAGGAGGAAACAAGATGATCATAGAAGA
AGCAAAAACGATCTCCATGATGCCCTGTGTGTCATCCGGAACCTCATCCGTGACAACCGTGTGTGTAT
GGAGGAGGGGAGCCGAAATATCCTGCGCCTGGCAGTCAGCCAAGAGGAGCAGACAAGTGCCCAACTTTGG
AACAGTATGCCATGAGAGCTTTTGCAGATGCCTTGGAGGTGATCCCATGGCCCTTTAGAAAATAGTGG
CATGAATCCCATTCAGACCATGACTGAAGTTCGAGCCAGACAGGTGAAGGAGTCTAACCTGCCCTGGGG
ATTGACTGTTTGCACAAGGGCAGTAACGATATGCAGTATCAGCATGTCATAGAAACCTTGATTGGCAAAA
AGCAGCAGATCTCTTTGCCACCAGATGGTTAGGATGATTCTGAAGATTGATGACATCCGTAAGCCTGG
AGAATCTGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3715_a08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007637

Insert Size: 1626 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_007637.2](#), [NP_031663.1](#)

RefSeq Size: 1769 bp

RefSeq ORF: 1626 bp

Locus ID: 12465

UniProt ID: [P80316](#)

Cytogenetics: 15 B2

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).