

Product datasheet for **MG208636**

Cct5 (NM_007637) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct5 (NM_007637) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cct5
Synonyms:	CCT-epsilon; Ccte; mKIAA0098; TCP-1-epsilon; TCPE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208636 representing NM_007637
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTCCGTGGGGACCCTCGCCTTCGATGAGTATGGGCGCCCTTTCTCATTATCAAGGACCAAGATC
 GCAAGTCCCGTCTCATGGGGCTTGAGGCCCTCAAGTCTCACATCATGGCTGCCAAAGCTGTAGCAAACAC
 AATGCGGACGTCCTACTGGGACCAAACGGGCTGGACAAGATGATGGTTGATAAGGATGGCGATGTACTATA
 ACAAACGATGGTGCCACCATTCTAAGCATGATGGATGTCGATCATCAGATTGCCAAGCTGATGGTTGAAC
 TGTCCAAATCCCAGGATGATGAAATTGGAGATGGGACCACAGGAGTGGTTGTCTTGGCTGGGGCCTTGT
 GGAAGAAGCTGAACAGCTGCTGGACCGAGGCATCCACCAATCAGAATTGCTGATGGCTACGAGCAGGCT
 GCCCGAATTGCAATACAACCTGGACAAGATCAGCGATAAAGTGCTTGTGACATAAAACACCTGAAC
 CTCTGATTCAGACTGCAAAAACCAGCTGGGCTCAAAGTGATTAACAGCTGTCACCGACAGATGGCTGA
 GATCGCCGTGAATGCCGTCTCACGGTGCAGATATGGAGCGGAGAGATGTTGACTTTGAGCTCATTAAA
 GTGGAAGGCAAAAGTAGGTGGGCGCTGGAAGACACCAAGCTCATAAAGGGTGTGATCGTTGACAAGGACT
 TCAGCCACCCACAGATGCCGAAAAAAGTGGTAGATGCTAAGATTGCGATTCTCACGTGCCATTTGAGCC
 ACCTAAACCTAAGACAAAGCACAAGCTGGATGTCATGCTGTGGAGGACTACAAAGCCCTGCAGAAGTAC
 GAAAAGGAGAAGTTTGAAGAGATGATTAAGCAGATTAAGAAAAGTGGTGCTAACCTAGCTATTTGCCAGT
 GGGGCTTTGACGATGAAGCCAATCACTTACTTCTCAGAACGGCTACCTGCAGTCCGCTGGGTAGGGGG
 ACCTGAGATTGAGCTGATCGCCATTGCAACAGGAGGACGGATTGTCCACGGTTCAGAGCTCACCTCT
 GAGAAGCTGGGCTTTGCTGGTGTGGTGCAGGAGATCTCCTTTGGCACTACAAAAGACAAAATGCTGGTTA
 TCGAGAAGTGTAAAGACTTAGAGCTGTGACCATTTTCATCAGAGGAGGAAACAAGATGATCATAGAGA
 AGCAAAAACGATCTCTCCATGATGCCCTGTGTGTCATCCGGAACCTCATCCGTGACAACCGTGTGTGTAT
 GGAGGAGGGCAGCCGAAATATCCTGCGCCTGGCAGTCAGCCAAGAGGCAGACAAGTGCCCAACTTTGG
 AACAGTATGCCATGAGAGCTTTTGCAGATGCCTTGGAGGTATCCCATGGCCCTTTAGAAAATAGTGG
 CATGAATCCCATTCAGACCATGACTGAAGTTCGAGCCAGACAGGTGAAGGAGTCTAACCTGCCCTGGGG
 ATTGACTGTTTGCACAAGGGCAGTAACGATATGCAGTATCAGCATGTCATAGAAAACCTTGATTGGCAAAA
 AGCAGCAGATCTCTTTGCCACCCAGATGGTTAGGATGATTCTGAAGATTGATGACATCCGTAAGCCTGG
 AGAATCTGAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208636 representing NM_007637
 Red=Cloning site Green=Tags(s)

MASVGTLAFDEYGRPFLLIHKDQRKSRMLGLEALKSHIMAAKAVANTMRTSLGPNGLDKMMVDDKGDVTI
 TNDGATILSMDVDHQIAKLMVELSKSQDDEIGDGTGVVVLGALLLEEAEQLDRGIHPRIADGYEQ
 ARIAIQHLDKISDKVLVDINNPEPLIQTAKTTLGSKVINSCHRQMAEIAVNAVLTVADMERRDVFELIK
 VEGKVGGRLDTEKLIKGVIVDKDFSHPMQPKVVDAKIAILTCPFPPKPKTKHKLDVMSVEDYKALQKY
 EKEKFEEMIKQIKETGANLAICQWGFDEANHLLLQNLPAVRWVGGPEIELIAIATGGRIVPRFSELTS
 EKLGFAGVVQEIFSGTTKDKMLVIEKCKNSRAVTIFIRGGNKMIIEEAKRSLHDALCVIRNLIIRDNRVY
 GGGAAEISCALAVSQEADKCPTEQYAMRAFADALEVIMPALSENSGMNPIQTMTEVRARQVKESNPALG
 IDCLHKGSNMQYQHVIETLIGKKQIISLATQVMRMILKIDDIRKPGESE

TRTRPLE - GFP Tag - V

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

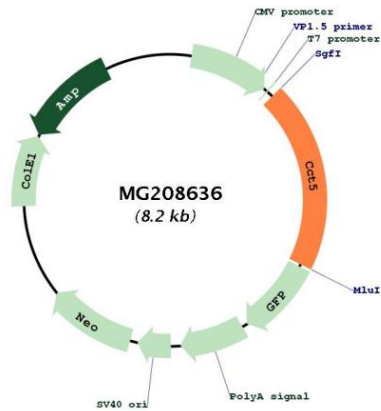
Locus ID: 12465

UniProt ID: [P80316](#)

Cytogenetics: 15 B2

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 MG208636