

Product datasheet for **MR208720**

Cct8 (NM_009840) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct8 (NM_009840) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cct8
Synonyms:	AI132397; Cctq; Tcpq
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208720 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGCTTCACGTCCCCAAGGCCCGGGCTTTGCCAGATGCTCAAGGATGGAGCCAAACATTTCTCGG
 GATTAGAAGAGGCTGTGTATAGAAATATACAGGCCTGCAAGGAGCTTGCTCAGACTACTCGCACAGCGTA
 CGGACCAATGGAATGAATAAAATGGTCATCAATCGCCTGGAGAAGTTGTTGTGACAAACGATGCAGCG
 ACTATTTTAAGAGAGCTAGAAGTGCAGCATCCTGCTGCAAAGATGATAGTGATGGCCTCTCATATGCAAG
 AACAGAGGTTGGTGATGGCACAACTTCGTTCTGGTGTTCGCTGGGGCTCTTCTGGAACAGCTGAAGA
 ACTTCTGAGGATTGGCCTGTGATCAGAGGTAATATCGGGGTATGAAATAGCTTGCAAAAAGCTCAT
 GAGATCCTTCTGAGTTGGTATGTTGTTCTGCCAAAACCTTCGAGATGTTGATGAAGTGTCTCTCTGC
 TTCGAACCTCCATCATGAGTAAGCAGTACGGCAGCGAGACGTTTTTGGCCAAGCTTATTGCTCAGGCTTG
 TGTTTCTATCTTCTGATTCTGGCAATTTCAATGTTGATAACATCAGAGTATGTAAGATTCTGGGCTCT
 GGTATTTATTCATCCTCAGTATTACATGGCATGGTTTTTAAGAAGGAACTGAAGGTGATGTGACATCTG
 TCAAAGATGCAAAGATAGCTGTGTACTCTGTCCGTTTGATGGCATGATAACAGAGACAAAGGGGACCGT
 GCTGATTAAGACTGCCGAGGAGCTAATGAACCTCAGTAAGGGAGAGGAGAACCTCATGGATGCTCAGGTG
 AAGGCCATTGCAGGCACTGGTGCAATGTCATAGTAACAGGCGGCAAGTGGCGGACATAGCTCTTCATT
 ATGCTAACAGTACAATATCATGTTGGTGAGACTGAACTCAAAGTGGGATCTCAGACGACTCTGTAAAC
 AGTTGGTGCCACAGCTCTTCCAAAATTGACTCCTCCCGTCCAAGAAGAAATGGGACATTGTGACAGTGTT
 TACCTCTCAGAAGTTGGAGATACACAAGTGGTTGTTTTAAGCATGAAAAAGAAGATGGTGCCATTTCTA
 CTATAGTTCTTCGAGTTCTACAGACAATCTGATGGATGACATAGAAAGGCGAGTAGATGATGGAGTTAA
 TACTTTCAAAGTTCTCACAAAGGATAAGCGTCTTGACCTGGAGGTGGAGCTACCGAAATTGAATTGGCT
 AAACAAATCACATCATATGGAGAGACGTGCTCTGGGCTTGAACAGTATGCTATTAAGAAGTTTGCTGAAG
 CGTTTGAAGCGATTCCACGGGCACTGGCAGAAAATTCTGGCGTGAAGGCCAATGAAGTTATCTCTAACT
 TTATTCGTACACCAAGAAGGAAACAAAATGTGGGGTTGGATATCGAGGCTGAAGTCCCTGCTGTAAAG
 GATATGTTAGAAGCCAGTATTTAGATACTTACTTGGGAAATACTGGGCTATTAACCTGCCCACTAATG
 CTGCAGTCACTGTACTAAGAGTGGATCAGATCATCATGGCAAACAGCTGGTGGGCCAAACCTCCAAG
 TGGGAAGAAGGACTGGGATGACGACCAGAATGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208720 protein sequence
 Red=Cloning site Green=Tags(s)

MALHVPKAPGFAQMLKDGAKHFSGLEEAVYRNIQACKELAQTRRTAYGPNGMNKMVINRLEKLFVTNDAA
 TILRELEVQHPAAKMIVMASHMQEQEVGDGTNFVLVFAGALLELAEEELLRIGLSVSEVISGYEIACKKAH
 EILPELVCCSAKNLRDVEVSSLLRTSIMSKQYGETFLAKLIAQACVSIFPDSGNFNVNIRVCKILGS
 GIYSSSVLHGMVFKKETEGDVTSVKDAIAVYSCFPDGMITETKGTVLIKTAEELMNFSGKEENLMDAQV
 KAIAGTGANVIVTGKVDIALHYANKYNIMLVRLNSKWDLRRLCKTVGATALPKLTPPVQEEMGHCDV
 YLSEVGDTQVVVFKEKEDGAISTIVLRGSTDNLMDIERAVDDGVNTFKVLTRDKRLVPGGGATEIELA
 KQITSYGETCPGLEQYAIKKFAEAFEIPRALAENSGVKANEVISKLYSVHQEGNKNVGLDIEAEVPAVK
 DMLEASILDITYLGKYWAIKLATNAAVTVLRVDQIIMAKPAGGPKPPSGKKDWDQND

TRTRPLE**QKLISEEDLA**ND**ILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_009840

ORF Size: 1644 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_009840.3](#), [NP_033970.3](#)

RefSeq Size: 2391 bp

RefSeq ORF: 1647 bp

Locus ID: 12469

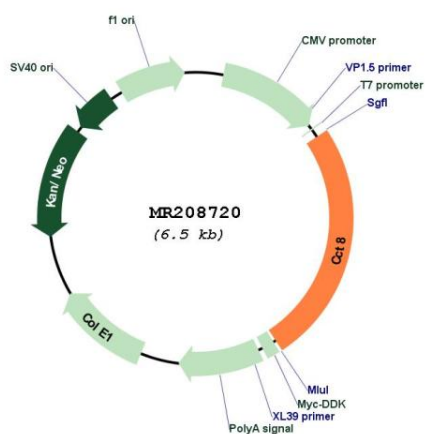
UniProt ID: P42932

Cytogenetics: 16 C3.3

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 MR208720