

Product datasheet for **MR206068**

Cct6a (BC018459) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct6a (BC018459) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cct6a
Synonyms:	CCT-zeta; CCT-zeta-1; Cct6; Cctz-1; TCP-1-zeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206068 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGACAGAGAAACACTCATCGATGTGGCCAGGACATCTCTGCGGACTAAAGTTCATGCTGAACCTGCAG
ATGTCTTGACAGAGGCTGTAGTGGACTCCATCTTGCCATTAGGAAAAAGGACGAGCCCATTGACCTCTT
CATGGTTGAGATCATGGAGATGAAGCATAAATCTGAGACAGATACAAGCTTAATCAGAGGGCTTGTTTTG
GATCATGGAGCTCGGCATCCTGATATGAAGAAGAGAGTGGAAATGCCTACATCCTCACGTGCAACGTGT
CCTTAGAGTATGAGAAACAGAAGTGAATTCTGGGTTTTTTACAAGAGTGCAGAAGAGAGAGAAAACT
AGTAAAGGCTGAAAGAAATTCATTGAAGATAGAGTTAAAAAATCATAGAGCTGAAAAAGAAAGTCTGT
GGTGACTCAGATAAAGGATTTGTCGTTATTAATCAAAAGGGGATTGACCCCTTTTCCTTAGATGCCCTTG
CGAAAGAAGGGATCGTAGCTCTGCGCAGAGCCAAGAGGAGAAACATGGAGAGGCTGACACTTGCTTGTTGG
TGGGATAGCTCTGAATTCCTTTGATGACCTGAATCCTGACTGTTTGGGACATGCAGGGCTTGCTATGAG
TATACACTGGGTGAGGAGAAGTTCACCTTTATTGAGAAGTGAACAATCCCCGTTCTGTCACTTTACTGG
TTAAAGGACCAATAAGCACACACTGACTCAAATCAAGGATGCAATAAGAGATGGCTTGAGGGCTGTCAA
AAATGCTATTGATGATGGCTGTGTTGTCCAGGTGCGGGTGCAGTAGAAGTGGCACTGGCAGAAGCTCTG
ATTAATACAAGCCAGTGTGAAGGGCAGGGCGCAGCTTGAGTCCAGGCATTTGCAGATGCCTTGCTCA
TCATTCCCAAGGTTCTTGCGCAAACTCTGTTTTGACCTTCAGGAAACATTAGTTAAAGTTCAAGCTGA
ACATTCAGAATCGGGCCAGCTCGTAGGTGTGGATCTGAGCACAGGTGAGCCGATGGTGGCCGAGAGATG
GGTGTGTGGGATAACTACTGTGTGAAGAAGCAGCTGCTACACTCCTGTACTGTGATCGCCACCAACATTC
TCCTGGTCGACGAGATCATGCGAGCTGGGATGTCCTCTCTGAAGGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206068 protein sequence
Red=Cloning site Green=Tags(s)

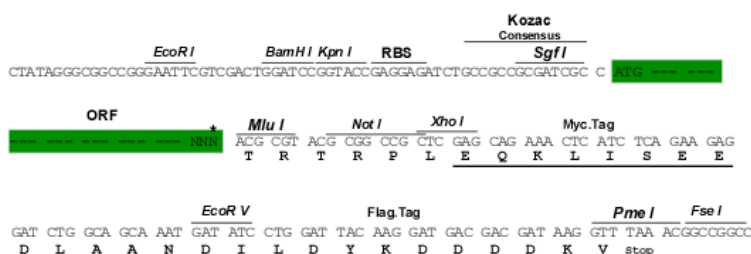
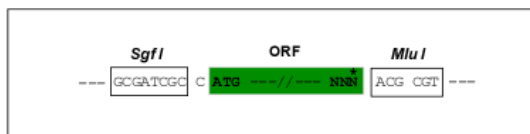
MDRETLIDVARTSLRTKVHAELADVL TEAVVDSILAIRKKDEPIDLFMVEIMEMKHKSETDTSIRGLVL
DHGARHPDMKKRVENAYILTCNVSLYEKTEVNSGFFYKSAEEREKLVKAERKFIEDRVKKIIELEKKKVC
GSDSGKFVVIQKGIDPFLDALAKEGVALRRAKRNRMERLTACGGIALNSFDDLNPDCLGHA GLVYE
YTLGEEKFTFIEKCNNPRSVTLLVKGPNKHTLTQIKDAIRDGLRAVKNAIDDGCVVPGAGAVEVALAEAL
IKYKPSYVKQALLGVQAFADALLIIPKVLAQNSGFDLQETLVKVQAEHSESGLVGVDLSTGEPMAAEM
GVWDNYCVKKQLLHSCVTIATNLLVDEIMRAGMSFLKG

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC018459

ORF Size: 1167 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: [BC018459](#), [AAH18459](#)

RefSeq Size: 1795 bp

RefSeq ORF: 1169 bp

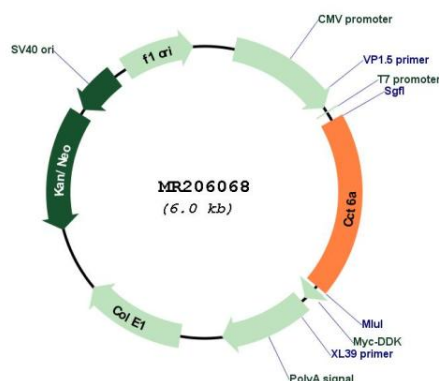
Locus ID: 12466

Cytogenetics: 5 G1.3

MW: 42.9 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. The TRiC complex plays a role in the folding of actin and tubulin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206068