

Product datasheet for **MG206068**

Cct6a (BC018459) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct6a (BC018459) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cct6a
Synonyms:	CCT-zeta; CCT-zeta-1; Cct6; Cctz-1; TCP-1-zeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206068 representing BC018459 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGACAGAGAAACACTCATCGATGTGGCCAGGACATCTCTGCGGACTAAAGTTCATGCTGAACCTTGCAG
ATGTCTTGACAGAGGCTGTAGTGGACTCCATCTTGCCATTAGGAAAAAGGACGAGCCCATTGACCTCTT
CATGGTTGAGATCATGGAGATGAAGCATAAATCTGAGACAGATACAAGCTTAATCAGAGGGCTTGTTTTG
GATCATGGAGCTCGGCATCCTGATATGAAGAAGAGAGTGGAATGCCTACATCCTCACGTGCAACGTGT
CCTTAGAGTATGAGAAACAGAAGTGAATTCTGGGTTTTTTACAAGAGTGCAGAAGAGAGAGAAAACT
AGTAAAGGCTGAAAGAAATTCATTGAAGATAGAGTTAAAAAATCATAGAGCTGAAAAAGAAAGTCTGT
GGTGACTCAGATAAAGGATTTGTCGTTATTAATCAAAAGGGGATTGACCCCTTTTCCTTAGATGCCCTTG
CGAAAGAAGGGATCGTAGCTCTGCGCAGAGCCAAGAGGAGAAACATGGAGAGGCTGACACTTGCTTGTTGG
TGGGATAGCTCTGAATTCCTTTGATGACCTGAATCCTGACTGTTTGGGACATGCAGGGCTTGCTATGAG
TATACACTGGGTGAGGAGAAGTTCACCTTTATTGAGAAGTGAACAATCCCCGTTCTGTCACTTTACTGG
TTAAAGGACCAATAAGCACACACTGACTCAAATCAAGGATGCAATAAGAGATGGCTTGAGGGCTGTCAA
AAATGCTATTGATGATGGCTGTGTTGTCCAGGTGCGGGTGCAGTAGAAGTGGCACTGGCAGAAGCTCTG
ATTAATAACAAGCCCAGTGTGAAGGGCAGGGCGCAGCTTGAGATCCAGGCATTTGCAGATGCCTTGCTCA
TCATTCCCAAGGTTCTTGCGCAAACTCTGTTTTGACCTTCAGGAAACATTAGTTAAAGTTCAAGCTGA
ACATTCAGAATCGGGCCAGCTCGTAGGTGTGGATCTGAGCACAGGTGAGCCGATGGTGGCCGAGAGATG
GGTGTGTGGGATAACTACTGTGTGAAGAAGCAGCTGCTACACTCCTGTACTGTGATCGCCACCAACATTC
TCCTGGTCGACGAGATCATGCGAGCTGGGATGTCCTCTCTGAAGGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206068 representing BC018459
 Red=Cloning site Green=Tags(s)

MDRETLIDVARTSLRTKVHAELADVLTEAVVDSILAIRKKDEPIDLFMVEIMEMKHKSETDTSIRGLVL
 DHGARHPDMKKRVENAYILTCNVSLEYEKTEVNSGFFYKSAEEREKLKVAERKFIEDRVKKIIEKKKVC
 GDSDKGFVVINQKIDPFSLDALAKEGIVALRRAKRRNMERLTACGGIALNSFDDLNPDCLGHAGLVYE
 YTLGEEKFTFIEKCNNPRSVTLTVKGNKHTLTQIKDAIRDGLRAVKNAIDGCVVPGAGAVEVALAEAL
 IKYKPSVKGRAQLGVQAFADALLIIPKVL AQNSGFDLQETLVKVQAEHSESGQLVGVDLSTGEPMVAEM
 GVWDNYCVKKQLLHSCVTIATNILLVDEIMRAGMSSSLKG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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

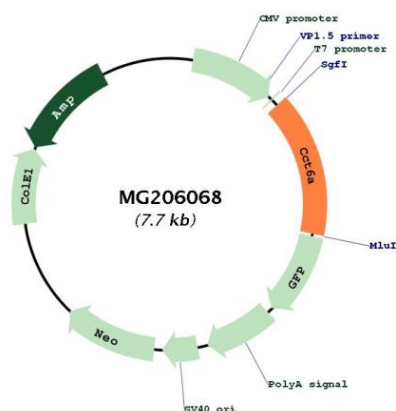
RefSeq ORF: 1169 bp

Locus ID: 12466

Cytogenetics: 5 G1.3

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 MG206068