

Product datasheet for **RG206884**

CMTM2 (NM_144673) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM2 (NM_144673) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CMTM2
Synonyms:	CKLFSF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206884 representing NM_144673 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCACCTAAGGCGGCAAAGGGGGCCAAGCCAGAGCCAGCACCAGCTCCACCTCCACCCGGGGCCAAAC
 CCGAGGAAGACAAGAAGGACGGTAAGGAGCCATCGGACAAACCTCAAAGGCGGTGCAGGACCATAAGGA
 GCCATCGGACAAACCTCAAAGGCGGTGCAGCCCAAGCACGAAGTGGGCACGAGGAGGGGTGTCGCCGC
 TACCGGTGGGAATTAAGACAGCAATAAAGAGTTCTGGCTCTTGGGCACGCTGAGATCAAGATTCGGA
 GTTTGGGCTGCCTAATAGCTGCAATGATACTGTTGTCCTCACTCACCGTGCACCCATCTTGAGGCTTAT
 CATCACCATGGAGATATCCTTCTCAGCTTCTTCATCTTACTGTACAGCTTTGCCATTCATAGATACATA
 CCCTTCATCCTGTGGCCATTTCTGACCTCTTCAACGACCTGATTGCTTGTGCGTTCCTTGTGGGAGCCG
 TGGTCTTTGCTGTGAGAAGTCGGCGATCCATGAATCTCCACTACTTACTTGTGTGATCCTTATTGGTGC
 GGCTGGAGTTTTTGCTTTTATCGATGTGTGCTTCAAAGAAACCACTTCAGAGGCAAGAAGGCCAAAAAG
 CATATGCTGGTTCCTCCTCCAGGAAAGGAAAAAGGACCCAGCAGGGCAAGGGACCAGAACCCGCCAAGC
 CACCAGAACCTGGCAAGCCACCAGGGCCAGCAAAGGGAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG206884 representing NM_144673
 Red=Cloning site Green=Tags(s)

MAPKAAKGAKPEPAPAPPPPGAKPEEDKKDGKEPSDKPQKAVQDHKEPSDKPQKAVQPKHEVGTRRGCR
 YRWELKDSNKEFWLLGHAEIKIRSLGCLIAAMILLSSLTVHPILRLIITMEISFFSFFILLYSFAIHRYI
 PFILWPISDLFNDLIACAFLVGAVVFAVRSRRSMNLHYLLAVILIGAAGVFAFIDVCLQRNHFRGKKAKK
 HMLVPPPGKEKGPQQGKPEPAKPPPEGKPPGPAKGKK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144673

ORF Size: 744 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_144673.3](#)

RefSeq Size: 1073 bp

RefSeq ORF: 747 bp

Locus ID: 146225

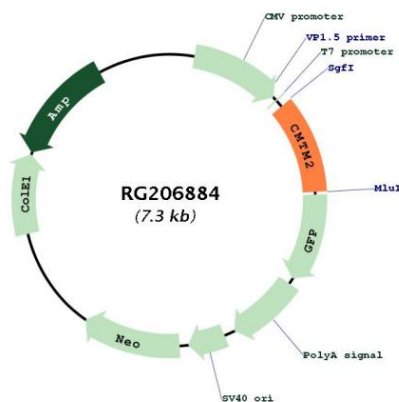
UniProt ID: [Q8TAZ6](#)

Cytogenetics: 16q21

Protein Families: Transmembrane

Gene Summary: This gene belongs to the chemokine-like factor gene superfamily, a novel family that links the chemokine and the transmembrane 4 superfamilies of signaling molecules. The protein encoded by this gene may play an important role in testicular development. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206884