

Product datasheet for **RC206884**

CMTM2 (NM_144673) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM2 (NM_144673) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CMTM2
Synonyms:	CKLFSF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206884 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCACCTAAGGCGCAAGGGGGCAAGCCAGAGCCAGCACCAGCTCCACCTCCACCCGGGGCCAAAC
 CCGAGGAAGACAAGAAGGACGGTAAGGAGCCATCGGACAAACCTCAAAGGCGGTGCAGGACCATAAGGA
 GCCATCGGACAAACCTCAAAGGCGGTGCAGCCCAAGCACGAAGTGGGCACGAGGAGGGGTGTCGCCGC
 TACCGGTGGGAATTAAGACAGCAATAAAGAGTTCTGGCTCTTGGGCACGCTGAGATCAAGATTCGGA
 GTTTGGGCTGCCTAATAGCTGCAATGATACTGTTGTCCTCACTCACCCTGCACCCATCTTGAGGCTTAT
 CATCACCATGGAGATATCCTTCTTCAGCTTCTTCATCTTACTGTACAGCTTTGCCATTCATAGATACATA
 CCCTTCATCCTGTGGCCATTTCTGACCTCTTCAACGACCTGATTGCTTGTGCGTTCCTTGTGGGAGCCG
 TGGTCTTTGCTGTGAGAAGTCGGCGATCCATGAATCTCCACTACTTACTTGTGTGATCCTTATTGGTGC
 GGCTGGAGTTTTGCTTTTATCGATGTGTGCTTCAAAGAAACCACTTCAGAGGCAAGAAGGCCAAAAAG
 CATATGCTGGTTCCTCCTCCAGGAAAGGAAAAAGGACCCAGCAGGGCAAGGGACCAGAACCCGCCAAGC
 CACCAGAACCTGGCAAGCCACCAGGGCCAGCAAAGGGAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC206884 protein sequence
 Red=Cloning site Green=Tags(s)

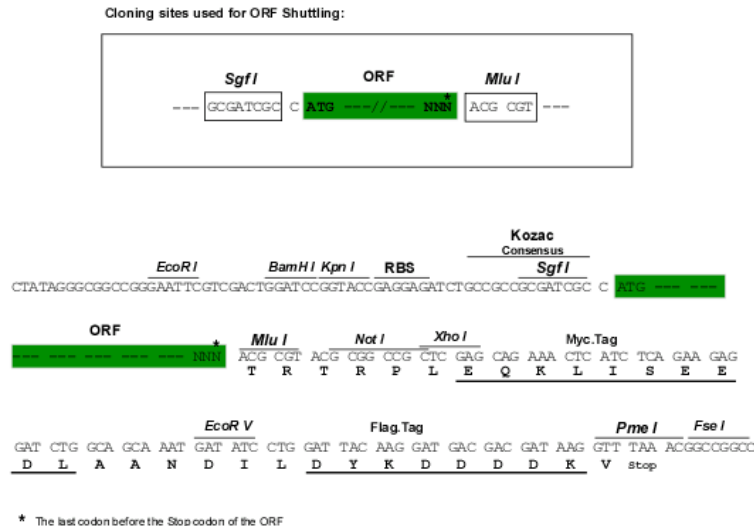
MAPKAAKGAKPEPAPAPPPPGAKPEEDKKDGKEPSDKPQKAVQDHKEPSDKPQKAVQPKHEVGTRRGCR
 YRWELKDSNKEFWLLGHAEIKIRSLGCLIAAMILLSSLTVHPILRLIITMEISFFSFFILLYSFAIHRYI
 PFILWPISDLFNDLIACAFVLGAVVFAVRSRRSMNLHYLLAVILIGAAGVFAFIDVCLQRNHFRGKKAKK
 HMLVPPPGKEKGPQQGKGPPEPAKPPPEPGKPPGPAKGKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6564_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144673

ORF Size: 744 bp

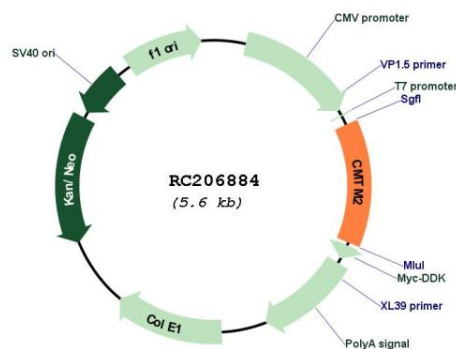
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

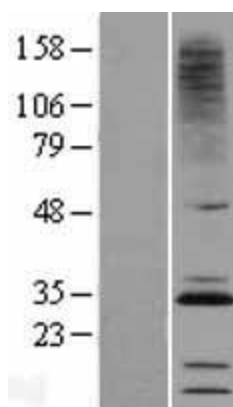
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_144673.3</u>
RefSeq Size:	1073 bp
RefSeq ORF:	747 bp
Locus ID:	146225
UniProt ID:	<u>Q8TAZ6</u>
Cytogenetics:	16q21
Protein Families:	Transmembrane
MW:	27.5 kDa
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 RC206884



Western blot validation of overexpression lysate (Cat# [LY408212]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206884 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).