

Product datasheet for RC209335

CMTM1 (NM_052999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM1 (NM_052999) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CMTM1
Synonyms:	CKLFH; CKLFH1; CKLFSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209335 representing NM_052999 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCTGAACACGCCAAACCTGAGTCATCCGAGGCACCTTCAGGGAACCTGAAACAACCAGAGACTG
CCGCAGCCCTGGCAAGTAGCGGCAGCGTAGTGAGTTCTGTACCCAAGGCACAGCGCAACATCTCAGCGAA
GACCGCACCCCGAAGCACCCCGCAGTCTCAATTCGCAGTGCGCAGTCCGCAGCCGCCGCACGTCCCCAA
GGCAGTGAGGGCACCGCACCCCTCAAGGAAAGCCACCACACGCCACCCCAAGCCACACTCCCACCC
CCACGCCCTCTGCACACACTGAATCCAACTCTTAAATGAGATGGCGATCAAAGAGCGCGTGGAGGGCCG
AGCCAAAGTCCCGTACAAATTCAGGGACAGCCTCAAACGTTTCTCCTTCTCGCCACTGGAATGTTGAAG
ATCCTGAGACTGAGTCTTATCTTAGGAGCATTAGCTTGTTCATCATCACCCAAGCCAATGAGTCATTTA
TAACAATCACAAGTCTGGAAATCTGCATTGTCGTTTTTTTTATTCTAATATATGTGCTAACCCCTCACCA
CTTGCTGACCTATTTACATTGGCCCTTACTTGATCTTACCAACAGTATCATTACAGCTGTGTTCTTTCA
GTAGTTGCCATCTTGCCATGCAAGAAAAGAAAAGAGGCATTTACTCTATGTGGGGGGTCCCTGTGTC
TCACAGCGGTAATCGTGTGTTGCATCGATGCGTTTGTGGTCACCACGAAGATGAGGACCAACTTGAAAAG
ATTCCTGGGAGTCGAAGTTGAAAGGAAGCTTCCCGCCCAAGGACGCCACCCCGAAACCGGCCCGAC
GCCCGCAGAGGCCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209335 representing NM_052999
Red=Cloning site Green=Tags(s)

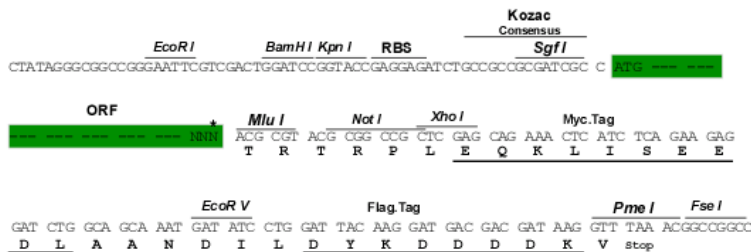
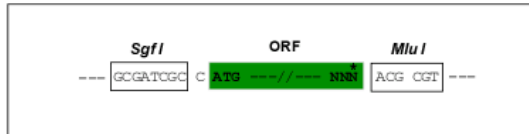
MDPEHAKPESEAPSGNLKQPETAALASSGSVSSVPAQQRNISAKTAPRKHPAVSIRSAQSAARPO
 GSEGTAPSRKATTRPPPKPTLPPPTPSAHTESKLLNEMAIKERVEGRAKVPYKFRDSLKRFSPPTGMLK
 ILRLSLILGALACFIITQANESFITITSLEICIVVFFILYVLTLLHLLTYLHWPLLDLNSIITAVFLS
 VVAILAMQEKKRRHLLYVGGSLCLTAVIVCCIDAFVVTTKMRTNLKRFLGVEVERKLSPAKDAYPETGPD
 APQRPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_052999

ORF Size: 858 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.

RefSeq: [NM_052999.3](#), [NP_443725.3](#)

RefSeq Size: 1081 bp

RefSeq ORF: 861 bp

Locus ID: 113540

UniProt ID: [Q8IZ96](#)

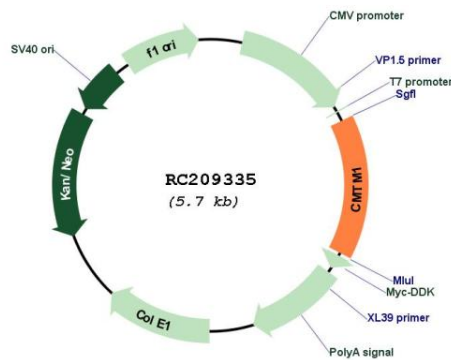
Cytogenetics: 16q21

Protein Families: Transmembrane

MW: 30.9 kDa

Gene Summary: This gene belongs to the chemokine-like factor gene superfamily, a novel family that is similar to the chemokine and the transmembrane 4 superfamilies of signaling molecules. The protein encoded by this gene may play an important role in testicular development. Alternatively spliced transcript variants encoding different isoforms have been identified. Naturally occurring read-through transcription occurs between this locus and the neighboring locus CKLF (chemokine-like factor). [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC209335