

Product datasheet for RC219707

CMTM1 (NM_181269) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMTM1 (NM_181269) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CMTM1
Synonyms: CKLFH; CKLFH1; CKLFSF1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC219707 representing NM_181269
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCTGAACACGCCAAACCTGAGTCATCCGAGGCACCTTCAGGGAACCTGAAACAACCGGAGACTG
CCGCAGCCCTGAGTCTTATCTTAGGAGCATTAGCTTGTTTCATCATCACCCAAGCCAATGAGTCATTTAT
AACAAATACAAGTCTGGAATCTGCATTGTCGTTTTTTTTATTCTAATATATGTGCTAACCTTCACCAC
TTGCTGACCTATTACATTGGCCCTTACTTGATCTTACCAACAGTATCATTACAGCTGTGTTCTTTTCAG
TAGTTGCCATCTTGCCATGCAAGAAAAGAAAAGAAGGCATTTACTCTATGTCGGGGGGTCCCTGTGTCT
CACAGCGGTAATCGTGTGTTGCATCGATGCGTTTTGTGGTCACCACGAAGATGAGGACCAACTTGAAGA
TTCTGGGAGTCGAAGTTGAAAGGAAGCTTTCCCCGCCAAGGACGCCTACCCCGAAACCGGCCCGACG
CCCCGAGAGGCCCGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219707 representing NM_181269
Red=Cloning site Green=Tags(s)
MDPEHAKPESSEAPSGNLKQPETAALSLILGALACFIITQANESFITITSLEICIVVFFILIYVLTLLHH
LLTYLHWPLLDL TNSIITAVFLSVVAILAMQEKRRHLLYVGGSLCLTAVIVCCIDAFVVTMKMRNLKR
FLGVEVERKLSPAKDAYPETGPDAPQRPA

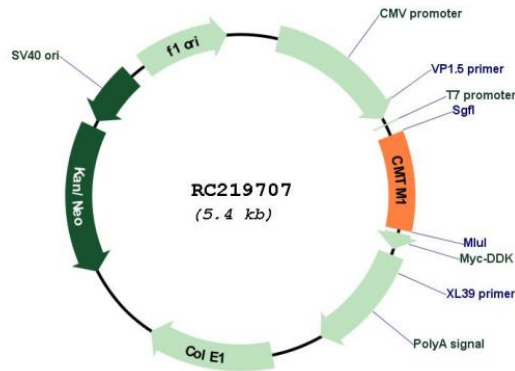
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_181269

ORF Size: 507 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:	<ol style="list-style-type: none">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_181269.3
RefSeq Size:	786 bp
RefSeq ORF:	510 bp
Locus ID:	113540
UniProt ID:	Q8IZ96
Cytogenetics:	16q21
Protein Families:	Transmembrane
MW:	18.6 kDa
Gene Summary:	<p>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]</p>