

Product datasheet for **RC236700**

CMTM5 (NM_001288746) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMTM5 (NM_001288746) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CMTM5
Synonyms: CKLFSF5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236700 representing NM_001288746
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAGTGCTCGAGATCGCCGGGACCGGCACCCTGAGGAGGGGTAGTTGCAGAGCTCCAGGGCTTCG
CGGTGGACAAGGCCTTCTCACCTCCCACAAGGGCATCCTGCTGAAACCGAGCTGGCCCTGACCCTCAT
CATCTTCATCTGTTACGGCCTCCATCTCTGCCTACATGGCCGGCGCTACTGGAGTTCTTCATCACA
CTTGCCCTTCTCTTCTCTATGCCACCCAGTACTACCAGCGCTTCGACCGAATTAAGTGGCCTGTCTGC
TGCAGGGCCACGGCAATCAGGAGGACCACATCCGCTAGATCTACTCTCCCACTCAGCAAAGGTCCAGCC
CCAGCCCTGGCCTGGCTTGACCCCCCGGGCTGGCATACTCCAGCCGCTGTCCCCTGGGTTCCAGCCCCA
GCGCCTGGCTTCTGGTCTGGTTCTGCTCTGGTTCATCTGCTCCACTCCCTGGGTAGCAGTGACTTCTGC
GCTGTGTCAGTGCCATCATCTTCTGGTGGTCTCCTTTGCAGCTGTGACCTCCCGGGACGGAGCTGC
CATTGCTGCTTTTGTGTTTGGCATCATCCTGGTTCCATCTTTGCCTATGATGCCTCAAGATCTACCGG
ACTGAGATGGCACCCGGGGCCAGCCAGGGGGACCAGCAG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236700 representing NM_001288746
Red=Cloning site Green=Tags(s)

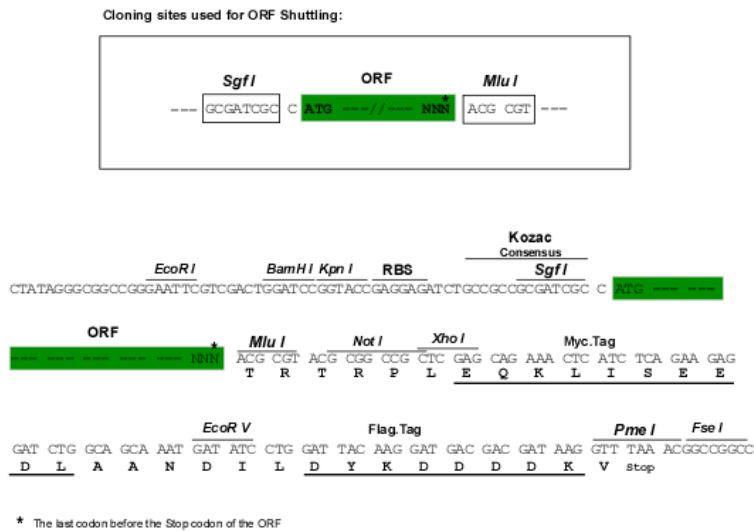
MLSARDRRDRHPEEGVVAELQGFVAVDKAFLTSHKGILLETALTLIIFICFTASISAYMAAALLEFFIT
 LAFLFLYATQYYQRFDRLINWPCLLQGHGQSGGPHPLDLLSHSAKVQPQPWPGLTPPGWHTPAAVPWVPAP
 APGFWSWLLWFCFHSLGSSDFLRVSAIIIFLVVVSFAAVTSRDGAAIAAFVFGIILVSI FAYDAFKIYR
 TEMAPGASQGDQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

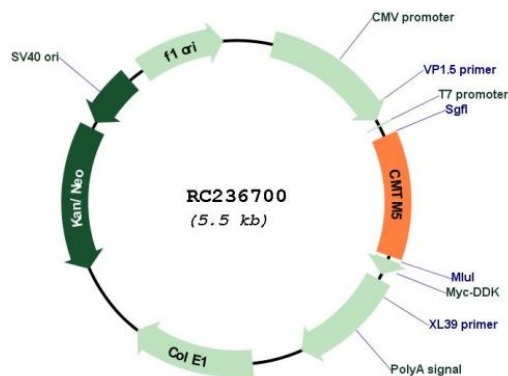
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001288746

ORF Size: 669 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_001288746.2
RefSeq Size:	1415 bp
RefSeq ORF:	672 bp
Locus ID:	116173
UniProt ID:	Q96DZ9
Cytogenetics:	14q11.2
Protein Families:	Transmembrane
MW:	25.1 kDa
Gene Summary:	This gene encodes a member of the chemokine-like factor superfamily. This family of genes encodes multi-pass membrane proteins that are similar to both the chemokine and the transmembrane 4 superfamilies of signaling molecules. The encoded protein may exhibit tumor suppressor activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]