

Product datasheet for **RC235468**

CMTM5 (NM_001288745) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMTM5 (NM_001288745) 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: >RC235468 representing NM_001288745
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCAGTGCTCGAGATCGCCGGGACCGGCACCCTGAGGAGGGGTAGTTGCAGAGCTCCAGGGCTTCG
CGGTGGACAAGGCCTTCTCACCTCCCACAAGGGCATCCTGCTGGAACCGAGCTGGTTTTTGGCATCAT
CCTGGTTCCATCTTGCCTATGATGCCTCAAGATCTACCGACTGAGATGGCACCCGGGCCAGCCAG
GGGGACCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235468 representing NM_001288745
Red=Cloning site Green=Tags(s)

MLSARRRRDRHPEEGVVAELQGFVVDKAFLLTSKILLETLELVFGIILVSIIFAYDAFKIYRTEMAPGASQ
GDQQ

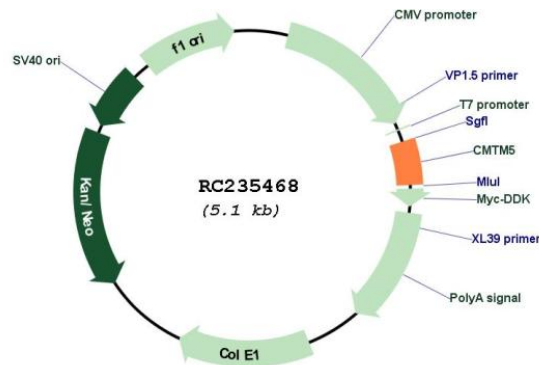
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001288745

ORF Size: 222 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:	<u>NM_001288745.2</u>
RefSeq Size:	971 bp
RefSeq ORF:	225 bp
Locus ID:	116173
UniProt ID:	<u>Q96DZ9</u>
Cytogenetics:	14q11.2
Protein Families:	Transmembrane
MW:	8.7 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]