

## Product datasheet for **RG236700**

### **CMTM5 (NM\_001288746) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM5 (NM_001288746) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CMTM5
Synonyms:	CKLFSF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236700 representing NM_001288746. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCAGTGCTCGAGATCGCCGGGACCGCACCTGAGGAGGGGGTAGTTGCAGAGCTCCAGGGCTTC
GCGGTGGACAAGGCCTTCCTCACCTCCCACAAGGGCATCCTGCTGGAAACCGAGCTGGCCCTGACCTC
ATCATTTTCATCTGCTTCACGGCTCCATCTCTGCCTACATGGCCGCGGCGCTACTGGAGTTCTTCATC
ACACTTGCCTTCTTCTCTATGCCACCCAGTACTACCAGCGCTTCGACCGAATTAACGGCCCTGT
CTGCTGCAGGGCCACGGCAATCAGGAGGACCACATCCGCTAGATCTACTCTCCACTCAGCAAAGGTC
CAGCCCCAGCCCTGGCTGGCTTGACCCCCCGGGCTGGCATACTCCAGCCGCTGTCCCCTGGGTTCCA
GCCCCAGCGCCTGGCTTCTGGTCTGGTTGCTCTGGTTTCATCTGCTTCCACTCCCTGGGTAGCAGTGAC
TTCTGCGCTGTGTCAAGTCCATCATCATCTTCTGGTGGTCTCCTTTGCAGCTGTGACCTCCCGGGAC
GGAGCTGCCATTGCTGCTTTTGTTTTGGCATCATCCTGGTTTCCATCTTTGCCTATGATGCCTTCAAG
ATCTACCGGACTGAGATGGCACCCGGGGCCAGCCAGGGGGACCAAGCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236700  
 Blue=ORF Red=Cloning site Green=Tag(s)

MLSARDRRDRHPEEGVVAELQGFVAVDKAFLTSHKGILLETALTLIIIFICTASISAYMAAALLEFFI  
 TLAFLFLYATQYYQRFDRINWPCLLQGHGQSGGPHPLDLLSHSAKVQPQPWGLTPPGWHTPAAPWVVP  
 APAPGFWSWLLWFCFHSLGSSDFLRCSAIIIFLVVFAAVTSRDGAAIAAFVFGIILVSI FAYDAFK  
 IYRTEMAPGASQGDQQ  
TR
TRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

**RefSeq:** [NM\\_001288746.2](#)

**RefSeq Size:** 1415 bp

**RefSeq ORF:** 672 bp

Locus ID: 116173

UniProt ID: [Q96DZ9](#)

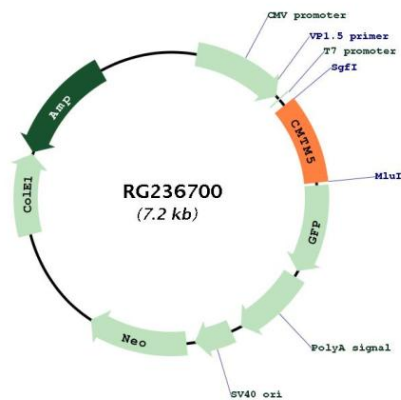
Cytogenetics: 14q11.2

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]

### Product images:



Circular map for RG236700