

Product datasheet for **RG204558**

CMTM5 (NM_138460) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMTM5 (NM_138460) 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: >RG204558 representing NM_138460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCAGTGCTCGAGATCGCCGGGACCGGCACCCTGAGGAGGGGTAGTTGCAGAGCTCCAGGGCTTCG
 CGGTGGACAAGGCCTTCCTCACCTCCCACAAGGGCATCCTGCTGGAAACCGAGCTGGCCCTGACCCTCAT
 CATCTTCATCTGCTTCACGGCTCCATCTCTGCCTACATGGCCGCGCGCTACTGGAGTTCTTCATCACA
 CTTGCCTTCTCTCTCTATGCCACCCAGTACTACCAGCGCTTCGACCGAATTAAGTGGCCCTGTCTGG
 ACTTCCTGCGCTGTGTCAGTGCCATCATCATCTTCCTGGTGGTCTCCTTTGCAGCTGTGACCTCCCGGGA
 CGGAGCTGCCATTGCTGCTTTTGTTCATCATCCTGGTTTCATCTTGCCTATGATGCCTTCAAG
 ATCTACCGGACTGAGATGGCACCCGGGCCAGCCAGGGGGACCGAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204558 representing NM_138460
 Red=Cloning site Green=Tags(s)

MLSARRDRRHPEEGVVAELQGFVAVDKAFLTSKGIILLETALTLIIFICFTASISAYMAAALLEFFIT
 LAFLFLYATQYYQRFDRLNWPCLDFLRVSAIIIFLVVSFAAVTSRDGAAIAAFVFGIILVSIFAYDAFK
 IYRTEMAPGASQGDQQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_138460

ORF Size: 468 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

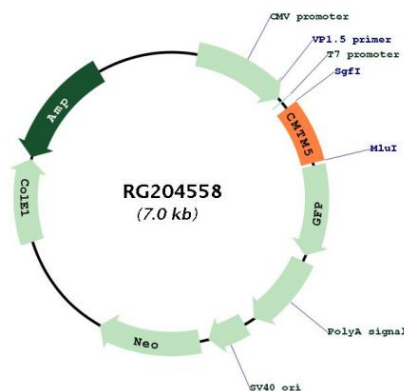
RefSeq: [NM_138460.3](#)

RefSeq Size: 1217 bp

RefSeq ORF: 471 bp

Locus ID:	116173
UniProt ID:	Q96DZ9
Cytogenetics:	14q11.2
Protein Families:	Transmembrane
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 RG204558