

Product datasheet for **RG216635**

CMTM3 (NM_181553) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CMTM3
Synonyms:	BNAS2; CKLFSF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216635 representing NM_181553
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCCCCCAGACCCCGACCCCGACCCGAGCCCGAGCCTGCCGGCGGCTCCCGTCCCGGCCCGCGG
TCCCCGGGCTCCGCGCCCTGCTGCCGGCGCGGGCTTCTCTGCTCTCTCAAAGCCGCCTCCTGCTGGC
CGAGTCGGGTCTCTCATTCATCACTTTTATCTGCTATGTGGCGTCTCAGCATCTGCCTTCTCACAGCG
CCTCTGCTGGAGTTCTGCTGGCCTTGTACTTCTCTTTGCTGATGCCATGCAGCTGAATGACAAGTGGC
AGGGCTTGTGCTGGCCCATGATGGACTTCTGCGCTGTGTACCGCGGCCCTCATCTACTTTGCTATCTC
CATCACGGCCATCGCCAAGTACTCGGATGGGGCTTCAAAGCCGCTGGGGTGTGGCTTCTTTGCTACC
ATCGTGTGTTGCAACTGATTTCTACCTGATCTTTAACGACGTGGCCAAATTCCTCAAACAAGGGGACTCTG
CAGATGAGACCACAGCCACAAGACAGAAGAAGAGAATTCGACTCGGACTCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216635 representing NM_181553
Red=Cloning site Green=Tags(s)

MWPPDPDPDPDPPEAGGSRPGPAVPLRLALLPARAFLCSLKGRLLLAESGLSFITICYVASSASAFLTA
PLLEFLLALYFLFADAMQLNDKWQGLCWPMMDFLRCVTAALIYFAISITAIKYSDBGASKAAGVGFAT
IVFATDFYLIFNDYAKFLKQGSADETTAHKTEENSDSDSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_181553

ORF Size: 546 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_181553.4](#)

RefSeq Size: 1967 bp

RefSeq ORF: 549 bp

Locus ID: 123920

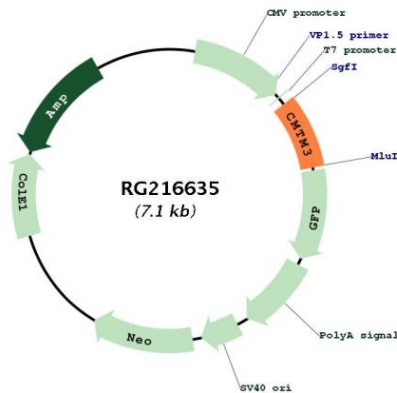
UniProt ID: [Q96MX0](#)

Cytogenetics: 16q22.1

Protein Families: Transmembrane

Gene Summary: 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. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. Alternatively spliced transcript variants containing different 5' UTRs, but encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216635