

Product datasheet for **RG218395**

CMTM7 (NM_181472) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CMTM7 (NM_181472) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CMTM7
Synonyms: CKLFSF7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218395 representing NM_181472
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCACGGAGCCGGGCTCGTCCGCACCACGTGCAGCAGCGGCAGCGCTCGGACCCGGGGCCGGCG
CGGCCAGCCAGCGCGAGCCCTTGGAGGGGCTGCTGGACCTCAGTACCCCGCACCCACGGGCCCT
GCTGAAAGTGGCGAAATGGTCACCCTGCTGATTGCCTTCATCTGTGTGCGGAGCTCCCTGTGGACCAAC
TACAGCGCTACAGCTACTTTGAAGTGGTCACCATTTGCGACTTGATAATGATCCTCGCCTTTACCTGG
TCCACCTCTCCGCTTCTACCGGTGCTCACCTGTATCAGCTGGCCCTGTCGATCTTTGGTTTCATGGC
CACCTTCTCTGCATGGCAAGCATATGGCTGTCCTATAAGATCTCGTGTGTAACCCAGTCCACAGATGCA
GCCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218395 representing NM_181472
Red=Cloning site **Green**=Tags(s)

MSHGAGLVRTTCSGSALGPGAGAAQPSASPLEGLLDLSYPRTHAALLKVAQMVTLIIAFICVRSLLWTN
YSAYSFEVVTICDLIMILAFYLVHLFRFYRVLTCISWPLSIFGFMATFLCMASIWLSYKISCVTQSTDA
AV

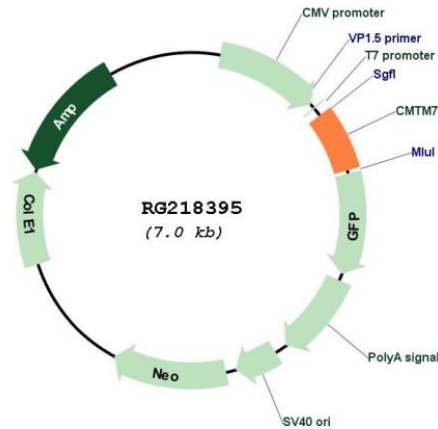
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_181472

ORF Size: 426 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_181472.3
RefSeq Size:	1270 bp
RefSeq ORF:	429 bp
Locus ID:	112616
UniProt ID:	Q96FZ5
Cytogenetics:	3p22.3
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 transmembrane 4 superfamilies. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 3. This gene acts as a tumor suppressor that regulates G1/S transition in the cell cycle, and epidermal growth factor receptor/protein kinase B signaling during tumor pathogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]