

## Product datasheet for **RG219707**

### CMTM1 (NM\_181269) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CMTM1 (NM\_181269) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CMTM1  
**Synonyms:** CKLFH; CKLFH1; CKLFSF1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG219707 representing NM\_181269  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATCCTGAACACGCCAAACCTGAGTCATCCGAGGCACCTTCAGGGAACCTGAAACAACCGGAGACTG  
 CCGCAGCCCTGAGTCTTATCTTAGGAGCATTAGCTTGTTCATCATCACCCAAGCCAATGAGTCATTTAT  
 AACAAATACAAGTCTGAAATCTGCATTGTCGTTTTTTTTATTCTAATATATGTGCTAACCCCTCACCC  
 TTGCTGACCTATTACATTGGCCCTTACTTGATCTTACCAACAGTATCATTACAGCTGTGTTCTTTTCAG  
 TAGTTGCCATCTTGCCATGCAAGAAAAGAAAAGAAGGCATTTACTCTATGTCGGGGGGTCCCTGTGTCT  
 CACAGCGTAATCGTGTGTTGCATCGATGCGTTTTGTGGTACCACGAAGATGAGGACCAACTTGAAAAGA  
 TTCTCTGGGAGTCGAAGTTGAAAGGAAGCTTTCCCCCGCCAAGGACGCCTACCCCGAAACCGGCCCGACG  
 CCCCAGAGGCCCGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG219707 representing NM\_181269  
 Red=Cloning site Green=Tags(s)

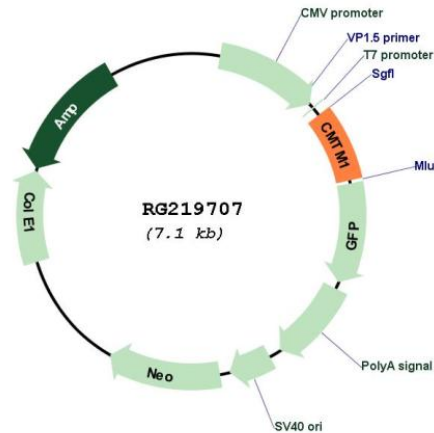
MDPEHAKPESSEAPSGNLKQPETAAALSLILGALACFIITQANESFITITSLEICIVVFFILIYVLTLLHH  
 LLTYLHWPLLDLNSIITAVFLSVVAILAMQEKKRRHLLYVGGSLCLTAVIVCCIDAFVVTTKMRNLKR  
 FLGVEVERKLSPAKDAYPETGPDAPQRPA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_181269

**ORF Size:** 507 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_181269.3</a></u>
<b>RefSeq Size:</b>	786 bp
<b>RefSeq ORF:</b>	510 bp
<b>Locus ID:</b>	113540
<b>UniProt ID:</b>	<u><a href="#">Q8IZ96</a></u>
<b>Cytogenetics:</b>	16q21
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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. The protein encoded by this gene may play an important role in testicular development. Alternatively spliced transcript variants encoding different isoforms have been identified. Naturally occurring read-through transcription occurs between this locus and the neighboring locus CKLF (chemokine-like factor).[provided by RefSeq, Feb 2011]