

## Product datasheet for **SC307253**

### CMTM1 (NM\_181283) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM1 (NM_181283) Human Untagged Clone
Tag:	Tag Free
Symbol:	CMTM1
Synonyms:	CKLFH; CKLFH1; CKLFSF1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181283, the custom clone sequence may differ by one or more nucleotides ATGGATCCTGAACACGCCAAACCTGAGTCATCCGAGGCACCTTCAGGGAACCTGAAACAA CCGGAGACTGCCGAGCCCTGGATCTTACCAACAGTATCATTACAGCTGTGTTCCCTTTCA GTAGTTGCCATCTTGCCATGCAAGAAAAGAAAAGAAGGCATTTACTCTATGTCGGGGGG CGGTAA
Restriction Sites:	Please inquire
ACCN:	NM_181283
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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"><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>



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RefSeq: [NM\\_181283.1](#), [NP\\_851800.1](#)

RefSeq Size: 610 bp

RefSeq ORF: 186 bp

Locus ID: 113540

UniProt ID: [Q8IZ96](#)

Cytogenetics: 16q21

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. 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]  
Transcript Variant: This variant (5) has multiple differences in the coding region, compared to variant 17, one of which results in a translational frameshift in the last coding exon. The encoded isoform (5) is shorter and contains a distinct C-terminus, compared to the protein (isoform 13) encoded by variant 17.