

Product datasheet for SC317334

CMTM1 (NM_181268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM1 (NM_181268) Human Untagged Clone
Tag:	Tag Free
Symbol:	CMTM1
Synonyms:	CKLFH; CKLFH1; CKLFSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317334 representing NM_181268. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCCTGAACACGCCAAACCTGAGTCATCCGAGGCACCTTCAGGGAACCTGAAACAACCGGAGACT
GCCGCAGCCCTGGCAAGTAGCGGCAGCGTAGTGAGTTCTGTACCCAAGGCACAGCGCAACATCTCAGCG
AAGACCGCACCCCGAAGCACCCCGCAGTCTCAATTCGCAGTGCCGAGTCCGCAGCCGCCGACGTCCC
CAAGGCAGTGAGGGCACCGCACCCCTCAAGGAAAGCCACCACGCCACCCCAAGCCCACTCCCA
CCCCCACGCCCTCTGCACACTGAATCCAACTCTTAATGAGATGGCGATCAAAGAGCGCGTGGAG
GGCCGAGCCAAAGTCCCGTACAAATTCAGGGACAGCCTCAAACGTTTCTCCTTCTCGCCCACTGGAATG
TTGAAGATCCTGAGACTGAGTCTTATCTTAGGAGCATTAGCTTGTTTCATCATCACCCAAGCCAATGAG
TCATTTATAACAATCACAGTCTGGAAATCTGCATTGTCGTTTTTTTTATTCTAATATATGTGCTAACC
CTTCACCACTTGCTGACCTATTTACATTGGCCCTTACTTGATCTTACCAACAGTATCATTACAGCTGTG
TTCCTTTCAGTAGTTGCCATCTTGGCCATGCAAGAAAAGAAAAGAAGGCATTTACTCTATGTCGGGGGG
CGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_181268
Insert Size:	696 bp



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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">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_181268.2
RefSeq Size:	1065 bp
RefSeq ORF:	696 bp
Locus ID:	113540
UniProt ID:	Q8IZ96
Cytogenetics:	16q21
Protein Families:	Transmembrane
MW:	25.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (18) lacks an exon segment, compared to variant 17, which results in a translational frameshift in the last coding exon. The encoded isoform (14) is shorter and contains a distinct C-terminus, compared to the protein (isoform 13) encoded by variant 17.</p>