

Product datasheet for **SC307294**

CMTM4 (NM_181521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	CMTM4
Synonyms:	CKLFSF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307294 representing NM_181521. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGAGCGGCGAGGAGCTGGACGGCTTCGAGGGCGAGGCCTCGAGCACCTCCATGATCTCGGGCGCC
AGCAGCCCGTACCAGCCACCACCGAGCCGGTGAGCCAGCGCCGCGGGCTGGCCGGCCTGCGCTGCGAC
CCCGACTACCTGCGCGCGCGCTCGGCCGCTCAAGGTCGCCAAGTGATCTTGGCCCTGATTGCATTC
ATCTGCATAGAGACCATCATGGCATGCTCCCCGTGTGAAGGCCTCTACTTTTTGAGTTTGTGAGCTGC
AGTGCCTTTGTGGTGAAGTGGCTCTTGGCTGATTATGTTCACTCAACCTGCACATGAGGATCCCCAG
ATCAACTGGAATCTGACAGATTTGGTCAACACTGGACTCAGCGCTTTCCTTTTCTTTATTGCTTCAATC
GTACTGGCTGCTTTAAACCATAGAGCCGAGCAGAAATTGCTGCCGTGATATTTGGCTTCTTGGCGACT
GCGGCATATGCAGTGAACACATTCTGGCAGTGCAGAAATGGAGAGTCAGCGTCCGCCAGCAGAGCACC
AATGACTACATCCGAGCCCGCACGGAGTCCAGGGATGTGGACAGTCGCCCTGAGATCCAGCGCCTGGAC
ACGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGCG
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_181521
Insert Size:	627 bp



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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_181521.2
RefSeq Size:	8133 bp
RefSeq ORF:	627 bp
Locus ID:	146223
UniProt ID:	Q8IZR5
Cytogenetics:	16q21-q22.1
Protein Families:	Transmembrane
MW:	22.8 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. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) includes an additional segment in the 3' coding region that leads to an upstream stop codon, compared to variant 1. The encoded protein (isoform 2) has a shorter C-terminus compared to isoform 1.</p>