

Product datasheet for SC309697

CMTM7 (NM_181472) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM7 (NM_181472) Human Untagged Clone
Tag:	Tag Free
Symbol:	CMTM7
Synonyms:	CKLFSF7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309697 representing NM_181472. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTCGCACGGAGCCGGGCTCGTCCGACACGTGCAGCAGCGGCAGCGCTCGGACCCGGGGCCGGC
 GCGGCCAGCCAGCGCAGCCCTTGGAGGGGCTGCTGGACCTCAGCTACCCCGCACCCACGCGGCC
 CTGCTGAAAGTGGCGAAATGGTCACCTGCTGATTGCCTTCATCTGTGTGCGGAGCTCCCTGTGGACC
 AACTACAGCGCTACAGCTACTTTGAAGTGGTCACCATTTGCGACTTGATAATGATCCTCGCCTTTTAC
 CTGGTCCACCTCTTCCGCTTCTACCGCTGCTCACCTGTATCAGCTGGCCCTGTCGATCTTTGGTTTC
 ATGGCCACCTTCTCTGCATGGCAAGCATATGGCTGTCCTATAAGATCTCGTGTGAACCCAGTCCACA
 GATGCAGCCGCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_181472
Insert Size:	429 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).


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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:	<u>NM_181472.2</u>
RefSeq Size:	1939 bp
RefSeq ORF:	429 bp
Locus ID:	112616
UniProt ID:	<u>Q96FZ5</u>
Cytogenetics:	3p22.3
Protein Families:	Transmembrane
MW:	15.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a.</p>