

Product datasheet for **SC120447**

CMTM7 (NM_138410) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CMTM7 (NM_138410) Human Untagged Clone
Tag:	Tag Free
Symbol:	CMTM7
Synonyms:	CKLFSF7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120447 sequence for NM_138410 edited (data generated by NextGen Sequencing)

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ATGTCGCACGGAGCCGGGCTCGTCCGCACCACGTGCAGCAGCGGAGCGGCTCGGACCC
GGGGCCGGCGCGGCCAGCCAGCGGAGCCCTTGGAGGGGCTGCTGGACCTCAGCTAC
CCCCGCACCCACGCGCCCTGCTGAAAGTGCGCAAATGGTCACCCTGCTGATTGCCTTC
ATCTGTGTGCGGAGCTCCCTGTGGACCAACTACAGCGCCTACAGCTACTTTGAAGTGGTC
ACCATTTGCGACTTGATAATGATCCTCGCCTTTTACCTGGTCCACCTCTCCGCTTCTAC
CGCGTGCTCACCTGTATCAGCTGGCCCCGTGCGGAACTTCTGCACTATTTAATCGGTACC
CTGCTCCTCCTCATCGCCTCCATTGTGGCAGCTCCAAGAGTTACAACCAGAGCGGACTG
GTAGCCGGAGCGATCTTTGGTTTCATGGCCACCTTCTCTGCATGGCAAGCATATGGCTG
TCCTATAAGATCTCGTGTGTAACCCAGTCCACAGATGCAGCCGTCTGA
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Clone variation with respect to NM_138410.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_138410 unedited</p> <pre>GTGGATTTTGTATACGACTACTATAGGGCGGCCGCAATTTCGCACCAGNAGGGCCGGGAC TGCCGCTACCTTTCTGGAAGGCGCCGGCCAGTCACCGGAGGGATCCCGCCAGAGGC GGCTCCGCGTCTCCAGCAGCGGGGACAGGACCCGGGCGCCCCGCCCTCGCCAGCGCCGC CCCCGCCGCCCGCCGCCCTCTGTATCTGGCCCCGGGCAGCTGCCCGGGGAGGCG GCCAGCAGCTGGGGCCGCGCAATGTCGCACGGAGCCGGGCTCGTCCGCACCACGTGCAG CAGCGGCAGCGCTCGGACCCGGGCGCGGCCAGCCAGCGCGAGCCCCTTGGA GGGGTGTGGACCTCAGCTACCCCGCACCCACGCGGCCCTGCTGAAAGTGGCGCAAAT GGTCACCCCTGCTGATTGCCTTCTGTGTGCGGAGCTCCCTGTGGACCAACTACAGCGC CTACAGCTACTTTGAAGTGGTCACCATTGCGACTTGATAATGATCCTCGCCTTTTACCT GGTCCACCTTTCCGCTTCTACCGGTGCTCACCTGTATCAGCTGGCCCCGTGCGGAACT TCTGCACTATTTAATCGGTACCCGTCTCCTCATCGCCTCCATTGTGGCAGCTTCCAA GAGTTACAACCAGAGCGGACTGGTAGCCGGAGCGATCTTGGTTTCATGGCCACCTTCT CTGCATGGCAAGCATATGGCTGCCTATNAGATCTCGTGTGTACCCAGTCCACAGATGCA GCCGTCTGATGAGGCCACAACCCCTAGGCCCTCAAGNAGCTTGCAGAGAGGAGGACGTG TACTTCAGGCGAGGCCTCCTGGACTGTGTTCTGGCCAAAGTCCGTGTCAGGCTGGTGGGC ACCAGAAAGGCTGGACCTTCTTCTGTTTTCCAGTAAGCAGATTCTGAACCTCTGGCCA AGCCGGAACCTTACTCCAGCTTCCCGGAAAAAT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_138410 unedited</p> <pre>NGGTCCTTTATGTACGGGCGCTTTCTANGATCGATTTTTTTTTTTTTTTTTTTTTTTTTT CAACTGGCCGAGTCAATATTTTATTAACAAAACACAAAACACATGCACACTGGTAACAAA GGCAGAGATGGAGAGGAGACACAAGATCTCCTTGGGGACAGGCTGACCACATAGTGTTC TACAGGCACGCCTCACTTCAGGAAAGAGGTATCTCTAAGACCGACTGACAAGCTAGAT AAATTAGGACAGGGCTTTGTTTCTTAAGGCACTTCACTCCCTGAGGAGTGAAGTAGAAG GGATTTAGGCGGGAGTATCACAAACCCCTTCACTGTGCTAAGTGGGGTTCATCAGTAC CTGAGGTGGTTCTAGAAGCAGGAAGGCAGAAAACATTTCCCTGGAGGCTGCTTTCCTTTC CCAGAATGGGAGGGATGTTCTCCCCGGAAGGCTGGAGGAAGATTTCCGGCTGGCTCAGG AGCTCAGGGAGCTGGCTTCTGGGAGAGCAGGAAGAGGGTGCAGGCCCTTCTGGTGCC ACCAGCTGACAGGACTTTGGCACAGGAACACAGGTCCAGAGGCCCTCGCTGGAGTACAC GTCTCTCTCTGCAAAGCTCCTGAGGGGCTAGGGGTTGTGGCTCATCAGACGGCTGC ATCTGTGACTGGTTACACACGAGATCTTATAGGACAGCCATATGCTTTGCATGCANNA GAAGGTGGCCATGAAACCAAGATCGCTCCGGCTACCAAGTCCGGTCTGGGTGTAACCTCTG GAAGCTGCCCAATGGAAGCGATGAGGAGGACCAGGGTACCCGATTAATAGTGCAGAAAT TCCCACAGGGCCAGCTGATACAGGTGAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_138410
Insert Size:	1400 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).
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:

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_138410.2](#), [NP_612419.1](#)

RefSeq Size: 1369 bp

RefSeq ORF: 528 bp

Locus ID: 112616

UniProt ID: [Q96FZ5](#)

Cytogenetics: 3p22.3

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 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]
Transcript Variant: This variant (1) encodes the longer isoform (a).