

Product datasheet for **SC333458**

CKLF-CMTM1 (NM_001204098) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKLF-CMTM1 (NM_001204098) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKLF-CMTM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333458 representing NM_001204098. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGATAACGTGCAGCCGAAATAAACATCGCCCTTCTGCTTCAGTGTGAAAGGCCACGTGAAGATG
CTGCGGCTGGATATTCAACTCACTGGTAACAACAGTATTCATGCTCATCGTATCTGTGTTGGCACTG
ATACCAGAAACCACAACATTGACAGTTGGTGGAGGGGATCTTACCAACAGTATCATTACAGCTGTGTTT
CTTTCAGTAGTTGCCATCTTGCCATGCAAGAAAAGAAAGAAGGCATTTACTCTATGTCGGGGGGCGG
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001204098
Insert Size:	279 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).


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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_001204098.1

RefSeq Size: 715 bp

RefSeq ORF: 279 bp

Locus ID: 100529251

Cytogenetics: 16q21

MW: 10.2 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring CKLF (chemokine-like factor) and CMTM1 (CKLF-like MARVEL transmembrane domain containing 1) genes on chromosome 16. The read-through transcript produces a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Feb 2011]

Transcript Variant: This variant (2) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.