

Product datasheet for **RC231689**

CKLF-CMTM1 (NM_001202509) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CKLF-CMTM1 (NM_001202509) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CKLF-CMTM1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231689 representing NM_001202509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATAACGTGCAGCCGAAAAATAAACATCGCCCTTCTGCTTCAGTGTGAAAGGCCACGTGAAGATGC
 TGGCGCTGGATCTTACCAACAGTATCATTACAGCTGTGTTCTTTCAGTAGTTGCCATCTTGCCATGCA
 AGAAAAGAAAAGAAGGCATTTACTCTATGTCTGGGGGTCCCTGTGTCTCACAGCGGTAATCGTGTGTTGC
 ATCGATGCGTTTGTGGTCACCACGAAGATGAGGACCAACTGAAAAGATTCTGGGAGTCGAAGTTGAAA
 GGAAGCTTTCCCGCCCAAGGACGCCTACCCGAAACCGCCCGACGCCCGCAGAGGCCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

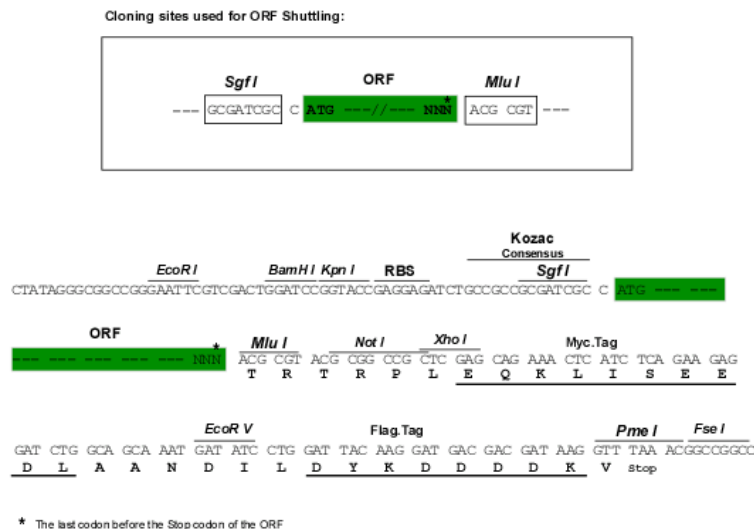
Protein Sequence: >RC231689 representing NM_001202509
 Red=Cloning site Green=Tags(s)

MDNVQPKIKHRPFCFSVKGHVKMLRLDLNSIITAVFLSVVAILAMQEKKRRHLLYVGGSLCLTAVIVCC
 IDAFVVTMKMRTNLKRFLGVEVERKLSPAKDAYPETGPDAPQRPA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001202509

ORF Size: 345 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

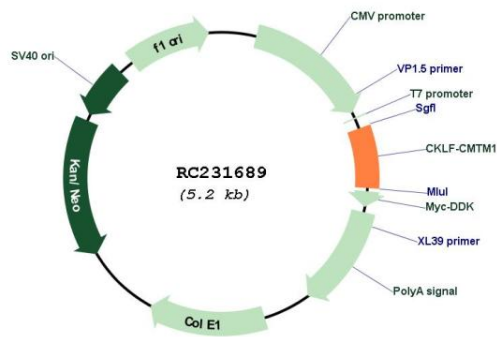
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001202509.2](#)

RefSeq Size:	635 bp
RefSeq ORF:	348 bp
Locus ID:	100529251
Cytogenetics:	16q21
MW:	13.3 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]

Product images:



Circular map for RC231689