

Product datasheet for **RC222344**

CKLF (NM_001040138) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CKLF (NM_001040138) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CKLF
Synonyms: C32; CKLF1; CKLF2; CKLF3; CKLF4; HSPC224; UCK-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC222344 representing NM_001040138
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATAACGTGCAGCCGAAAAATAAACATCGCCCTTCTGCTTCAGTGTGAAAGGCCACGTGAAGATGC
TGGCGCTGGCACTAACTGTGACATCTATGACCTTTTTATCATCGACAAGCCCTGAACCATATATTGT
TATCACTGGATTTGAAGTACCCTTATCTATTTTTTCATACTTTATATGTACTCAGACTTGATCGATTA
ATGAAGTGTTATTTGGCCTTTGCTTGATATTCAACTCACTGGTAACAACAGTATTCATGCTCATCG
TATCTGTGTTGGCACTGATACCAGAAACCAACATTGACAGTTGGTGGAGGTTATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222344 representing NM_001040138
Red=Cloning site Green=Tags(s)

MDNVQPKIKHRPFCFSVKGHVKMLRLALTVTSMTFFIIAQAPEPYIVITGFEVTVILFFILLYVLRDLRL
MKWLFWPLLDIINSLVTVFMLIVSVLALIPETTTLTVGGGLF

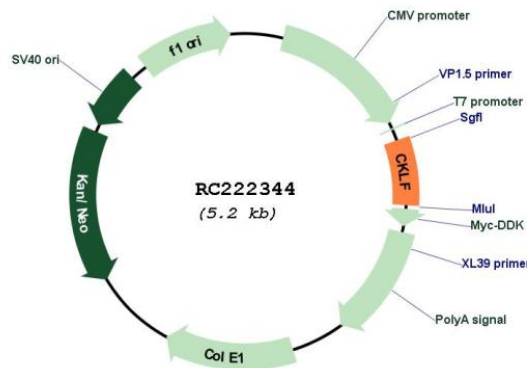
TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001040138

ORF Size: 339 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](#)

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|-------------------------------|---|
| 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: | <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_001040138.2</u> , <u>NP_001035228.1</u> |
| RefSeq Size: | 691 bp |
| RefSeq ORF: | 342 bp |
| Locus ID: | 51192 |
| UniProt ID: | <u>Q9UBR5</u> |
| Cytogenetics: | 16q21 |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| MW: | 12.9 kDa |
| Gene Summary: | The product of this gene is a cytokine. Cytokines are small proteins that have an essential role in the immune and inflammatory responses. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. The protein encoded by this gene is a potent chemoattractant for neutrophils, monocytes and lymphocytes. It also can stimulate the proliferation of skeletal muscle cells. This protein may play important roles in inflammation and in the regeneration of skeletal muscle. Alternatively spliced transcript variants encoding different isoforms have been identified. Naturally occurring read-through transcription occurs between this locus and the neighboring locus CMTM1 (CKLF-like MARVEL transmembrane domain containing 1).[provided by RefSeq, Feb 2011] |