

Product datasheet for RG222344

CKLF (NM 001040138) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CKLF (NM_001040138) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: CKLF

Synonyms: C32; CKLF1; CKLF2; CKLF3; CKLF4; HSPC224; UCK-1

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG222344 representing NM_001040138 Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGATAACGTGCAGCCGAAAATAAAACATCGCCCCTTCTGCTTCAGTGTGAAAGGCCACGTGAAGATGC
TGCGGCTGGCACTAACTGTGACATCTATGACCTTTTTTATCATCGCACAAGCCCCTGAACCATATATTGT
TATCACTGGATTTGAAGTCACCGTTATCTTATTTTTCATACTTTTATATGTACTCAGACTTGATCGATTA
ATGAAGTGGTTATTTTGGCCTTTGCTTGATATTATCAACTCACTGGTAACAACAGTATTCATGCTCATCG

TATCTGTGTTGGCACTGATACCAGAAACCACACATTGACAGTTGGTGGAGGGTTATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222344 representing NM_001040138

Red=Cloning site Green=Tags(s)

MDNVQPKIKHRPFCFSVKGHVKMLRLALTVTSMTFFIIAQAPEPYIVITGFEVTVILFFILLYVLRLDRL

MKWLFWPLLDIINSLVTTVFMLIVSVLALIPETTTLTVGGGLF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



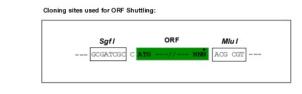
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

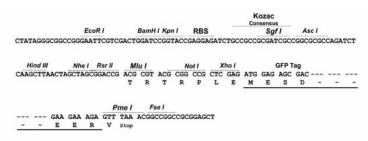
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

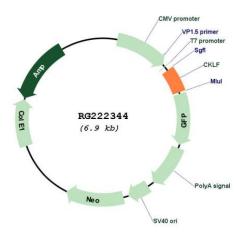


Cloning Scheme:





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



CKLF (NM_001040138) Human Tagged ORF Clone - RG222344

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.

RefSeq: <u>NM 001040138.2</u>, <u>NP 001035228.1</u>

RefSeq Size: 691 bp
RefSeq ORF: 342 bp
Locus ID: 51192
UniProt ID: Q9UBR5
Cytogenetics: 16q21

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

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]