

## 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 Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG222344 representing NM\_001040138  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAACGTGCAGCCGAAAATAAACATCGCCCTTCTGCTTCAGTGTGAAAGGCCACGTGAAGATGC  
TGCGGCTGGCACTAACTGTGACATCTATGACCTTTTTATCATCGACAAGCCCTGAACCATATATTGT  
TACTACTGGATTTGAAGTACCCTTATCTATTTTTTCATACTTTTATATGTACTCAGACTTGATCGATTA  
ATGAAGTGGTTATTTGGCCTTTGCTTGATATTATCAACTCACTGGTAACAACAGTATTCATGCTCATCG  
TATCTGTGTTGGCACTGATACCAGAAACCACAACATTGACAGTTGGTGGAGGGTTATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG222344 representing NM\_001040138  
Red=Cloning site Green=Tags(s)  
MDNVQPKIKHRPFCFSVKGHVKMLRLALTVTSMFFIIAQPEPYIVITGFEVTVILFFILLYVLRDLRL  
MKWLFWPLLDIINSLVTVFMLIVSVLALIPETTTLVGGGLF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001040138.2</a></u> , <u><a href="#">NP_001035228.1</a></u>
<b>RefSeq Size:</b>	691 bp
<b>RefSeq ORF:</b>	342 bp
<b>Locus ID:</b>	51192
<b>UniProt ID:</b>	<u><a href="#">Q9UBR5</a></u>
<b>Cytogenetics:</b>	16q21
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Gene Summary:</b>	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]