

Product datasheet for SC114120

CKLF (NM_016951) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKLF (NM_016951) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKLF
Synonyms:	C32; CKLF1; CKLF2; CKLF3; CKLF4; HSPC224; UCK-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016951, the custom clone sequence may differ by one or more nucleotides

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ATGGATAACGTGCAGCCGAAAATAAAACATCGCCCTTCTGCTTCAGTGTGAAAGGCCACGTGAAGATGC
TGGCGCTGGCACTAACTGTGACATCTATGACCTTTTTATCATCGCACAAGCCCTGAACCATATATTGT
TATCACTGGATTGAAGTACCCTTATCTATTTTTTCATACTTTTATGTACTCAGACTTGATCGATTA
ATGAAGTGGTTATTTGGCCTTTGCTTGATATTCAACTCACTGGTAACAACAGTATTCATGCTCATCG
TATCTGTGTTGGCACTGATACCAGAAACCACAACATTGACAGTTGGTGGAGGGGTGTTTGCACCTGTGAC
AGCAGTATGCTGTCTTCCGACGGGCCCTTATTTACCGAAGCTTCTGTCAATCCAGCGTCTTAC
CAGAAAAAGCCTGTGCATGAAAAAAGAAGTTTTGTAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016951 unedited
GCGCGAATTCGGCACCAGAAGAAGTAGGGGAGGGCGGTGCTCCGCCGGTGGCGGGTGC
TATCGCTTCGCAGAACCTACTCAGGCAGCCAGCTGAGAAGAGTTGAGGGAAAGTGTCTGCT
GCTGGGCTGCAGACGCGATGGATAACGTGCAGCCGAAAATAAAAACATCGCCCTTCTGCT
TTCAGTGTGAAAGGCCACGTGAAGATGCTGCGGCTGGCACTAACTGTGACATCTATGACC
TTTTTTATCATCGCACAAGCCCTGAACCATATATTGGTATCACTGGATTGAAGTCACC
GTTATCTTATTTTTTCATACTTTTATATGTACTCAGACTTGATCGATTAATGAAGTGGTTA
TTTTGGCCTTTGCTTGATATTATCAACTCACTGGTAACAACAGTATTCATGCTCATCGTA
TCTGTGTTGGCACTGATACCAGAAACCACAACATTGACAGTTGGTGGAGGGGTGTTTGCA
CTTGTGACAGCAGTATGCTGTCTTCCGACGGGGCCCTTATTTACCGAAGCTTCTGTTC
AATCCAGCGTCTTACCAGAAAAAGCCTGTGCATGAAAAAAGAAGTTTTGGAATTT
TATATTACTTTTTAGTTTGATACTAGGTATTAACATATTTCTGTATTCTCCACATATT
TTCTGCAGGATTTTTAACTCAGTATAGGAGCTAGAGGAGAGATTTCAAGTCTGCACCCC
GCGCAGAGCACTACTGTAACCTCCAGGGGA
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Restriction Sites:	NotI-NotI
ACCN:	NM_016951
Insert Size:	4700 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).
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:	NM_016951.2 , NP_058647.1
RefSeq Size:	888 bp
RefSeq ORF:	888 bp
Locus ID:	51192
UniProt ID:	Q9UBR5
Cytogenetics:	16q21
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript, and encodes the longest isoform (a), also known as an isoform CKLF2.</p>