

Product datasheet for SC114315

CKLF (NM_016326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKLF (NM_016326) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKLF
Synonyms:	C32; CKLF1; CKLF2; CKLF3; CKLF4; HSPC224; UCK-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114315 sequence for NM_016326 edited (data generated by NextGen Sequencing)

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ATGGATAACGTGCAGCCGAAAATAAACATCGCCCCTTCTGCTTCAGTGTGAAAGGCCAC
GTGAAGATGCTGCGGCTGGTGTTTGCACTTGTGACAGCAGTATGCTGTCTTGCCGACGGG
GCCCTTATTTACCGAAGCTTCTGTTCAATCCCAGCGGTCTTACCAGAAAAAGCCTGTG
CATGAAAAAAGAAGTTTTGTAA
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Clone variation with respect to NM_016326.3

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016326 unedited TGCACATTTGTATACGACTCATATAGGCGGCCGCGAATTCGCACGAGGGTCTGCAGACG CGATGGATAACGTGCAGCCGAAAATAAACATCGCCCCTTCTGCTTCAGTGTGAAAGGC CACGTGAAGATGCTGCGGCTGGATATTCAACTCACTGGTAACAACAGTATTCATGCTC ATCGTATCTGTGTGGCACTGATACCAGAAACCACAACATTGACAGTTGGTGGAGGGGTG TTTGCCTTGTGACAGCAGTATGCTGTCTTGCCGACGGGGCCCTATTTACCGAAGCTT CTGTTCAATCCCAGCGGTCTTACCAGAAAAAGCCTGTGCATGAAAAAAGAAGTTTTG TAATTTTATATTACTTTTTAGTTTGATACTAAGTATTAACATATTTCTGTATTCTTCCA CAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCC TGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAA GTTGCCACTCCAGTGCCACCAGCCTTGTCTTAATAAAATTAAGTTGCATCATTTTGTCT GACTAGGTGTCCTTCTATAATATTATGGGGTGGAGGGGGTGGGTATGGACCAAGGGGCA AGTTGGGAACACACCCTGTAGGGCCCGCGGGGCTATTGGGAACCAACCTGGAGTGCATT GGAACAATCTTGGCCTAATGAATTTCCCGCTTCTGGGTTCAAGCGATTTTCTGCCCTC AACCTCCCGAGTTGGTGGGATCCCAGCATTGATGCCAGTCTTAACCAAAATCTCCTTC TCTTGACAAAACCGTGTTTTACCCTTTTGGCCTTCTCGGCTCCCACTCTCTACCTATTC GGCACCTACCCTCCTCGTTCTCCACATGGTG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016326 unedited NNNTTTTGGCTCTGGACCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT TGGGGAAGAATACAGAATATGTTTAATACTTAGTATCAAATAAAAGTAATATAAAATT ACAAACCTTCTTTTTTTCATGCACAGGCTTTTTCTGGTAAGGACCGCTGGGATTGAACA GAAGCTCCCGTAAATAAGGGCCCCGTCGGCAAGACAGCATACTGCTGTCACAAGTGCAA ACACCCCTCCACCAACTGTCAATGTTGTGGTTTCTGGTATCAGTGCCAACACAGATACGA TGAGCATGAATACTGTTGTTACCAGTGAGTTGATAATATCCAGCCGAGCATCTTCACGT GGCTTTTCACACTGAAGCAGAAGGGGCGATGTTTTATTTTCGGCTGCACGTTATCCATCG CGTCTGCAGACCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAAT TCTGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGG CCATTTGCGTNAACGGGGCGGAGTTATTACGACATTTTCGGAACGCCCGTTGATTTTCGG CGCCAAAAAACTCCATTGATCGTCATGGCGGTGACACCTCGCACATCCCCCGGTAA ACCCGTCCCCACCCCTCGCTGGTATGGCCGAAACGCCCCCTGGCCATACACAGAA ATAAAACTAAAGCCCCCCCCCTCCCACCACCGCCTCAGGCTTCCCCCTCGTTTCTAT CCCTCCCGTCATCCCCTCGCCTCCCACCCCTACCGCCCTCTTTGGGTCCCGCCCGCC GTAATCCGACCACGCAGCCCCGTCGACCTGCCACATACCACCTCGCCCCACCCCTCTAC TCCTN
Restriction Sites:	NotI-NotI
ACCN:	NM_016326
Insert Size:	430 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:	<u>NM_016326.2</u> , <u>NP_057410.1</u>
RefSeq Size:	434 bp
RefSeq ORF:	204 bp
Locus ID:	51192
UniProt ID:	<u>Q9UBR5</u>
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]

Transcript Variant: This variant (3) lacks two in-frame exons in the coding region, compared to variant 1. It encodes a shorter isoform (c), also known as an isoform CKL3.