

## Product datasheet for **SC122796**

### **KLF15 (NM\_014079) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KLF15 (NM_014079) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLF15
Synonyms:	KKLF
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_014079 edited
CCACGCGTCCGGCGACCCGCGGGCCGGCGGGCGATCGAGCCAGCGCAGGACCCGCGGCTC
GGCCCCGGCCGCGCCGGACCGAGAGTCTAGCCGCGCCCCAGCCAGCCCGCCGGC
CGCAGGACCGCCGGGGCTGGCCGCGGTCCGGCGTGCGCCAAGTTCAGCCGCCACCGGC
ACGGCCAGGCCAGCATGGTGGACCACTTACTTCCAGTGGACGAGAAGTTCGTGCGCAA
AATGCCAGTTGGGTATCTGGGTGATAGGCTGGTTGGCCGGCGGGCATATCACATGCTGC
CCTCACCCGTCTCTGAAGATGACAGCGATGCCTCCAGCCCTGCTCCTGTTCCAGTCCCG
ACTCTCAAGCCCTCTGCTCCTGCTATGGTGGAGGCTGGGCACCGAGAGCCAGGACAGCA
TCTTGGACTTCTATTGTCCCAGGCCACGCTGGGCAAGTGGCGGGGGCAGCGGCAGTAGCA
TTGGGGCCAGCAGTGGCCCCGTGGCTGGGGCCCTGGCGAAGGGCAGCGGCCCTGTGA
AGGGGGAGCATTCTGCTTGCCCGAGTTTCTTTGGGTGATCCTGATGACGTCCCACGGC
CCTTCCAGCCTACCCTGGAGGAGATTGAAGAGTTTCTGGAGGAGAACATGGAGCCTGGAG
TCAAGGAGGTCCCTGAGGGCAACAGCAAGGACTGGATGCCTGCAGCCAGCTCTCAGCTG
GGCCACACAAGAGCCACCTCCATCCTGGGTCCAGCGGGAGAGAGCGCTGTCCCCCACC
CAGGTGGTGCCAGTGCAGGAGGTGCCAGGGCCAGGTGGGGGCCACGCCTGATGGCC
CCATCCCAGTGTGCTGCAGATCCAGCCGTGCCTGTGAAGCAGGAATCGGGCACAGGGC
CTGCCTCCCCTGGCAAGCCCCAGAGAATGTCAAGTTGCCAGCTCCTGGTCAACATCC
AGGGGCAGACCTTCGCACTCGTGCCCCAGGTGGTACCCTCCTCCAAGTGAACCTGCCCT
CCAAGTTTGTGCGCATTGCCCTGTGCCATTGCCGCAAGCCTGTTGGATCGGGACCCC
TGGGGCTGGCCCTGCCGGTCTCCTCATGGGCCAGAAGTCCCCAAGAAGCCAGCCGCGAG
AACTCATCAAAATGCACAAATGTACTTCCCTGGCTGCAGCAAGATGTACACAAAAGCA
GCCACCTCAAGGCCACCTGCCCGGCACACGGGTGAGAAGCCCTTCGCTGCACCTGGC
CAGGCTGCGGCTGGAGGTTCTCGCGCTCTGACGAGCTGTGCGGCACAGGCGCTCGCACC
CAGGTGTGAAGCCGTACCAAGTGTCTGTGCGGAGAAGAAGTTCGCGCGGAGCGACCACC
TCTCAAGCACATCAAGGTGCACCGCTTCCCGGAGCAGCCGCTCCGTGCGCTCCGTGA
ACTGAAAGCGCCCTGAACCCAGCCTGTCCGTACCCCGGATCCCCACCCATCCCCATT
TTTTTAAGCAATAATTTATTTGCTCCTCCAGAGGGACATGGCAATGTTACCAGCCACC
TTCTGAAGCCTGGGAGGTGTGAACCCAGGGCCCGCAACCGCTGCCTTTCTCGGGAGTAC
TTAGAGCCTCGAACC CGCTCCCTGGGGCTGGGGCCAGGCGCACGGGGCTGGAGGCAG
GCCTTCGTGCCTTCGTGCCTTCGTGCCTTCCCGCGGTGGCCAGGCCTCTGCTGCAGCCG
TGGTTGCAGGCAGAGTTTGGGGACCTGGCCCTTCTCCACTGGGCTCCCCATCCTGGG
CCAAGGCCAGAAGTTTAGTGCTAGGGGAAGATGAAATGTGCAAGTTTGAATGTTGGGTT
TCAGAGAGAGTCATGCTGGAGGAGAAGGAAGTGGCCAGAAGTCCAGGGCTGCACTGTG
GTGTGAGGGTGGCTTTGTCTAAGATGCCTGCTCAGCATGATCACCAGAGGGTGTGGGCAG
GTCCCTGGAGCGGGGGGGGGGGGGGGGGGGGGGACCAGGGCCGCTGGGCCCTCATGTGG
GAGAGAGGTGAAAAGCGTCCCCACTAGGGGGCTGGCAGTGCATGTGCTTGAATGAAATG
TGCAGGGCAGACAGAGCCAGAAGGGCTGTACCCAGGGGCTCGTCCCCTCCTCCGGTTTC
CCAGACAAATCCAGACACCAGCCTTTAGGGTGGCCTTGGGAGGAGAGGGCCAGGCTGTCC
TGGGTGTGAGAGAACTAGATAGAGCCTCCCAACCCTGATTTAGAAATGCATTCCCTATTT
TGTCTAGAAATTAATAAATGAACTAGCTTGTGTTTACAGGTTTATTTACATCCTATGAA
TGTATGTAATAAACTGTACATAGGTCCATCCACATAAAATATCTTTAATAACATATCA
ACATTTGTGTAATTTGAAATTTAAAAAATCTATGAAGCTGGTGTACATATGTTACAAT
TACGTATATTTCTTTGGTCTTCATAAAAAATATATTTACTTTGCCAATAAAAAAGAAAAA
GAACTCACAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_014079 unedited GCGGCAAGCCTTCCC GGNTATCGTTCGACCTCGCGTCCGGCGACCCGCGGGCCGGCGGGCG ATCGAGCCAGCGCAGGACCCGCGGCTCGGCCCCGGCCGCGCCGGACCGAGAGTCTAGC CGCCGCCCCAGCCAGCCCGCCGGCCGAGGACCGCCGGGGCTGGCCGCGGTCCTG TTTGCCCAAGTTCAGCCGCCACCGGCACGGCCAGGCCAGCATGGTGGACCACTACTTC CAGTGGACGAGAACTTCTCGTCGCAAAATGCCAGTTGGGTATCTGGGTGATAGGCTGG TTGGCCGGCGGGCATATCACATGCTGCCCTCACCCGCTCTGAAGATGACAGCGATGCCT CCAGCCCCTGCTCTGTCCAGTCCCAGTCTCAAGCCCTCTGCTCCTGCTATGGTGGAG GCCTGGGCACCGAGAGCCAGGACAGCATCTTGGACTTCCTATTGTCCCAGGCCACGCTGG GCAGTGGCGGGGCGAGCGGCAGTAGCATTGGGGCCAGCAGTGGCCCCGTGGCCTGGGGG CCTGGCGAAGGGCAGCGGCCCTGTGAAGGGGAGCATTCTGCTTGCCCGAGTTTCCTT TGGGTGATCCTGATGACGTCCCCGGCCCTCCAGCCTACCTGGAGGAGATTGAAGAGT TTCTGGAGGAGAACATGGAGCCTGGAGTCAAGGGAGTCCCTGGGGGCACAGCAAGGACTT GGATGCCTGCAGCCAGCTCTCAGCTGGGCCACACAAGGAGCACCTTCATCCTGGGTCCA CGGGGAAAACGCTGTTCCCTCCCAAGTTGTGGCCGTGCCGGAAGGGCCCAAGGCCCC AGTGGAGGCCCCCTGGATGGCCAC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_014079
<b>Insert Size:</b>	2543 bp
<b>OTI Disclaimer:</b>	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).
<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_014079.2</a></u> , <u><a href="#">NP_054798.1</a></u>
<b>RefSeq Size:</b>	2543 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	28999
<b>UniProt ID:</b>	<u><a href="#">Q9UIH9</a></u>
<b>Cytogenetics:</b>	3q21.3
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

Transcriptional regulator that binds to the GA element of the CLCNKA promoter. Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart (By similarity). Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. It is also involved in the control of cardiac hypertrophy acting through the inhibition of MEF2A and GATA4 (By similarity). Involved in podocyte differentiation (By similarity). Inhibits MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation.[UniProtKB/Swiss-Prot Function]