

## Product datasheet for **SC321086**

### LRRC39 (NM\_144620) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LRRC39 (NM\_144620) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** LRRC39  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Fully Sequenced ORF:** >OriGene sequence for NM\_144620.1

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ATCATTTGGAGCCACACTGAAAAAAAAATTTCCCCTGCAATCTACTCTTAAGTATAGT
CGCTAACTTTGGTTATGTGTGTCTATTCAGAATATTACATTAATTGATTTCTCAAACAAA
GGTCCTTTCTGAAATGGTATCTATGATTGAGCTATTCAAACCTAATGAAGTTGGTGACT
ATGACAATGTGGAGAAATCATGACAGAAAATGTGGTTTGTACTGGGGCTGCAATGCTGT
AAAGGAAGTTTGGGAAAAAGAATAAAGAACTCAATGAAGACCTGAAGCGAGAGAAGGA
ATTTCAACACAAGCTAGTGCAGTCTGGGAAGAACGAGTAAGCTTAACCAAGCTAAGAGA
AAAGGTCACCAGGAAGATGGAAGAGTCATTTGAAGATAGAAAAAGAGGAATGGAAGAC
CCTCCCTTCTTCTGCTGAACTGAATCAACTACAGGAATGGCAACTTCATAGAAGTGG
TTTGCTGAAAATTCCTGAATTCATTGGAAGATTCCAGAACCTCATTGTGTAGATTTATC
TCGAAACACAATTTCCAGAGATACCACCAGGATTGGACTGCTTACTAGACTTCAGGAAT
GATTCTCAGCTACAACAAAATCAAGACTGTCCCAAGGAACCTAAGTAATTGTGCCAGCTT
GGAGAACTAGAACTGGCTGTTAACAGAGATATATGTGATCTTCCACAAGAGCTCAGCAA
TCTGCTAAAACCTTACTCACCTTGATCTGAGTATGAACGATTTTACTACAATCCCTCTTGC
TGTGTTGAACATGCCTGCCCTTGAGTGGCTGGACATGGGAAGCAACAACTTGAACAACT
TCCTGATACTATAGAAAGAATGCAAAATCTACATACGTTATGGCTGCAACGAAATGAAAT
AACATGCTTGCCCTCAAACAATCAGCAATATGAAAAATCTGGGTACTCTTGTCTCAGCAA
CAATAAACTGCAAGATATCCAGTATGCATGGAAGAAATGGCAAACTCGAGGTTTGTCAA
CTTCAGAGACAACCCACTGAAATGAAAGTATCACTTCTCCAGTGAAGGCACAGATGA
AGAAGAGGAACGGGAATTTTGGCCTTCAGTTTATGCACACATACATACAAGAGTCAGG
GAGAAGAGCAGATCACCAGTCAACGGTTCAACTACTTTACCAATCTCCATAAATACGGA
TGGATAATATAATTCAAGATGCCCTTCTAAAGAGGATTACTTTGGTGAATTCTCTAATGT
TTGGATTTCTGAAGTAAAAAGAAAAGCTATTACCAAAGTTAATGAGGCCACAGCATTTT
TTAAAGTTCATATTTTGTATTTAAAGTATATATTTTTTTGATATAAAAAATATAATTA
AAAAATTTTTTGGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:** Please inquire  
**ACCN:** NM\_144620



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<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_144620.1</a> , <a href="#">NP_653221.1</a>
<b>RefSeq Size:</b>	1425 bp
<b>RefSeq ORF:</b>	1008 bp
<b>Locus ID:</b>	127495
<b>UniProt ID:</b>	<a href="#">Q96DD0</a>
<b>Cytogenetics:</b>	1p21.2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>Component of the sarcomeric M-band which plays a role in myocyte response to biomechanical stress. May regulate expression of other M-band proteins via an SRF-dependent pathway. Important for normal contractile function in heart.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses a different splice site in the 5' UTR and lacks an alternate exon in the 3' coding region which results in the use of a different stop codon, compared to variant 1. The resulting protein (isoform 2) has a distinct and shorter C-terminus compared to isoform 1. Variants 2, 3, and 4 encode the same protein.</p>