

Product datasheet for **SC306164**

LRR39 (NM_144620) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRR39 (NM_144620) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRR39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306164 representing NM_144620. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAGAAAATGTGGTTTGTACTGGGGCTGTCAATGCTGTAAGGAAGTTTGGGAAAAAGAATAAAG
AACTCAATGAAGACCTGAAGCGAGAGAAGGAATTTCAACACAAGCTAGTGCGGATCTGGGAAGAACGA
GTAAGCTTAACCAAGCTAAGAGAAAAGGTCACCAGGAAGATGGAAGAGTCATTTGAAGATAGAAAAA
GAGGAATGGAAGACCCCTCCCTTCTCTGCTGAAACTGAATCACTACAGGAATGGCAACTTCATAGA
ACTGGTTTGTGAAAATTCCTGAATTCATTGGAAGATTCAGAACCTCATTGTGTAGATTTATCTCGA
AACACAATTTAGAGATACCACCAGGGATTGGACTGCTTACTAGACTTCAGGAAGTATTCTCAGCTAC
AACAAAATCAAGACTGTCCCAAGGAAGTAAGTAATTGTGCCAGCTTGGAGAAAAGTAACTGGCTGTT
AACAGAGATATATGTGATCTTCCACAAGAGCTCAGCAATCTGCTAAAACCTACTCACCTGATCTGAGT
ATGAACGATTTTACTACAATCCCTCTTGCTGTGTTGAACATGCCTGCCCTTGAGTGGCTGGACATGGGA
AGCAACAAACTTGAACAACCTTCTGATACTATAGAAAAGTAACTGCAAACTACATACGTTATGGCTGCAA
CGAAATGAAATAACATGCTTGCCTCAAACAATCAGCAATATGAAAATCTGGGTACTCTTGTCTCAGC
ACAATAAACTGCAAGATATTCCAGTATGCATGGAAGAAATGGCAAACTGAGGTTTGTCAACTTCAGA
GACAACCCACTGAAATTGAAAGTATCACTTCTCCAGTGAAGGCACAGATGAAGAAGAGGAACGGGAA
TTATTTGGCCTTCAGTTTATGCACACATACATAAAGAGTCACGGAGAAGAGCAGATACCAAGTCAAC
GGTTCAACTACTTTACCAATCTCCATAAATACGGATGGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAAACTCATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_144620
Insert Size:	1008 bp



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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).
OTI Annotation:	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
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_144620.1</u>
RefSeq Size:	1865 bp
RefSeq ORF:	1008 bp
Locus ID:	127495
UniProt ID:	<u>Q96DD0</u>
Cytogenetics:	1p21.2
Protein Families:	Druggable Genome
MW:	38.8 kDa
Gene Summary:	<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>