

## Product datasheet for RN214570

### Lrrc39 (NM\_001109637) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc39 (NM_001109637) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc39
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214570 representing NM_001109637 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAGAAAGTGTGGTTTGTACCGGGCCGTCAGCACTGTAAGGAAGTCTGGGAAGAAGAATAAAGA  
AACATCATGAAGATGTGAAACGAGAGAAGGAATTCAGCAAAGCTAGTCCGGATCTGGGAAGACCGAGT  
GAGTTTAACTAAGCTGAAAGAGAAGGTGACCAGGGAAGATGGAAGAATCATTCTAAGGATAGAGAAAGAG  
GAATGGAAGACTCTCCCTTCTTCTTACTGAAACTGAATCAGCTACAGGAGTGGCAACTCATAGGACCG  
GATTGTTGAAAATTCTGAATTCATTGGAAGATTCCAGCATCTCATTGTTCTAGACTTATCTCGGAACAC  
AATTTTCAGAGATCCCCGAGGCATTGGACTGCTCACTAGACTTCAGGAACTGATTCTTAGCTACAACAAA  
ATCAAGACTGTCCCAAAGAAGTGAAGCACTGTGCCAGCTTGGAGAAGCTAGAACTGGCTGTAACACAGAG  
ATATAAGCGACCTCCCGACAGAGCTCAGCAAAGTGTAAAACACTCACCTTGACCTGAGCATGAACCA  
GTTCAACACAATCCCTCTTGCTGTGCTGGACATGCCTGCCCTCGAGTGGCTGGATATGGGAAGCAACAGC  
CTTCAACAGCTTCTGATACACTAGACAGAATGCAAAGTTTACATACACTGTGGCTACAGAGGAATGAAA  
TAACATGCCTGCCAGAGACAATCAGGAATATGAAAACTTGGGGACTCTGTTCTCAGCAACAACAAGCT  
ACAAGATATTCCAGGCTGCATGGAAGAAATGACGAGTCTGAGGTTTCGTCAACTTTTCGAGACAACCCACTA  
AGACTGGAAGTGACACTTCTCCAGTGATGACGTAGATGGAGAGGAAGAACAGGAGTATTTGGGCTTC  
AGTTTATGCACGCATACATACAAGAGTACGGAGAACAGAAGACCAAGTCAACTGTCTGACTCATACGCC  
CAGCTCTACACGGTCTGATGGATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001109637
Insert Size:	1005 bp



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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>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_001109637.1</a></u> , <u><a href="#">NP_001103107.1</a></u>
<b>RefSeq Size:</b>	2875 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	691307
<b>UniProt ID:</b>	<u><a href="#">D3ZXS4</a></u>
<b>Cytogenetics:</b>	2q41
<b>Gene Summary:</b>	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]