

## Product datasheet for MR218329

### Lrrc39 (NM\_175413) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc39 (NM\_175413) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lrrc39  
**Synonyms:** 2010005E21Rik; 9430028I06Rik; Myomasp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR218329 representing NM\_175413  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAGAAAGTGC GGTTTGTACCGGGGCCGTCAGTGCTGTAAGGAAGTCTGGGAAGAAAGAATAAAGA  
AACACCATGAAGACGTGAAGCGGAGAAGGAATTCAGCATAAGCTAGTGC GGATCTGGGAAGACCGAGT  
AAGTTTAACTAAGCTGAAAGAGAAGGTGACCAGGGAAGATGGAAGAGTCATTTTAAAGGATAGAGAAAGAA  
GAATGGAAGACTCTCCCTTCTTCTTACTGAAACTGAATCAGCTACAGGAATGGCAACTTACAGGACCG  
GATTGTTGAAGATTCTGAATTCATTGGAAGATTCCAGCATCTCATTGTGCTAGATTTATCTCGGAACAC  
AATTTTCAGAGATCCCCGAGGGATTGGACTGCTCACTAGACTTCAGGAAGTATTCTTAGCTACAACAAA  
ATCAAGACTGTCCCAAAGAAGTGAAGCAACTGTACCAGCTTGGAAGCTAGAAGTGGCTGTGAACAGAG  
ATATAAGTGACCTCCACCAGAGCTCAGCAAATGTTAAAACACTCACCTTGACCTGAGTATGAATCA  
GTTCACTACGATCCCTCATGCTGTGTTGGACATGCCTGCCCTCGAGTGGCTGGATATGGGAAGCAACAGC  
CTGCAACAGCTTCTGACTCACTAGACAGAATGCGAAGTTACATACACTGTGGCTGCAGAGGAATGAAA  
TAACATGCCTGCCAGAGACAATCAAAAATGAAAAACTTGGGTACTCTGTTCTCAGCAACAACAACTA  
ACAAGATATCCCAGGCTGCATGGAAGAAAATGACGAATCTGAGGTTTGTCAACTCCGAGACAACCCACTA  
AGACTGGAGGTGACGCTTCTCCACGACAAACAGATGGAGAGGAAGAACAGGAGTTATTTGGGCTGC  
AGTTTATGCACGCATACATAAAGAGTCCCGGAGAACAGAAGACCAAGTCAACTGTCTGACTCAAATGCC  
AAGCTCTATACATTCTGATGGAGAAAGTAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218329 representing NM\_175413  
Red=Cloning site Green=Tags(s)

MTESAVCTGAVSAVKEVWEERIKKHEDVKREKEFQHLVRIWEDRVSLTKLKEKVTREDGRVILRIEKE  
 EWKTLPSSLLKLNQLQEWQLHRTGLLKIPEFIGRFQHLIVLDL SRNTISEIPRGIGLLTRLQELILSYNK  
 IKTPVKELSNCTSLEKLELAVNRDISDLPELSKLLKLTDL SMNQFTTIPHAVLDMPALEWLDMGNS  
 LQQLPDSLDRMRLHTLWLQRNEITCLPETIKNMKNLGTLLVLSNNKLQDIPGCMEEMTNLRVFNFRDNPL  
 RLEVTLPPSDNTDGEELFGLQFMHAYIQESRRTEDQVNCLTQMPSSIHSDDGESN

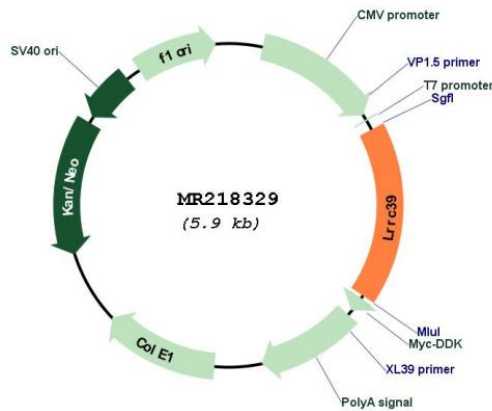
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175413

**ORF Size:** 1011 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_175413.4</a>
<b>RefSeq Size:</b>	3092 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	109245
<b>UniProt ID:</b>	<a href="#">Q8BGI7</a>
<b>Cytogenetics:</b>	3 G1
<b>MW:</b>	39.5 kDa
<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]