

## Product datasheet for MG219057

### Lrrc39 (NM\_027321) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc39 (NM\_027321) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Lrrc39  
**Synonyms:** 2010005E21Rik; 9430028I06Rik; Myomasp  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG219057 representing NM\_027321  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGACAGAAAGTGC GGT TGT ACCGGGGCCGTCAGTGCTGTAAGGAAGTCTGGGAAGAAAGATAAAGA  
 AACACCATGAAGACGTGAAGCGGGAGAAGGAATTCAGCATAAGCTAGTGC GGATCTGGGAAGACCGAGT  
 AAGTTTAACTAAGCTGAAAGAGAAGGTGACCAGGGAAGATGGAAGAGTCATTTTAAGGATAGAGAAAGAA  
 GAATGGAAGACTCTCCCTTCTTCTTACTGAAACTGAATCAGCTACAGGAATGGCAACTTCACAGGACCG  
 GATTGTTGAAGATTCTGAATTCATTGGAAGATTCCAGCATCTCATTGTGCTAGATTTATCTCGGAACAC  
 AATTTTCAGAGATCCCCGAGGGATTGGACTGCTACTAGACTTCAGGAAGTATTCTTAGCTACAACAAA  
 ATCAAGACTGTCCCAAAGAACTGAGCAACTGTACCAGCTTGGAGAAGCTAGAACTGGCTGTGAACAGAG  
 ATATAAGTGACCTCCACCAAGAGGTCAGAAAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG219057 representing NM\_027321  
 Red=Cloning site Green=Tags(s)

MTESAVCTGAVSAVKEVWEERIKKHEDVKREKEFQHKLVRIWEDRVSLTKLKEKVTREDGRVILRIEKE  
 EWKTLPSLLKLNQLQEWQLHRTGLLKIPFIFGRFQHLIVLDLSRNTISEIPRGIGLLTRLQELILSYNK  
 IKTVPKELSNCTSLEKLELAVNRDISDLPPEVRKM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)

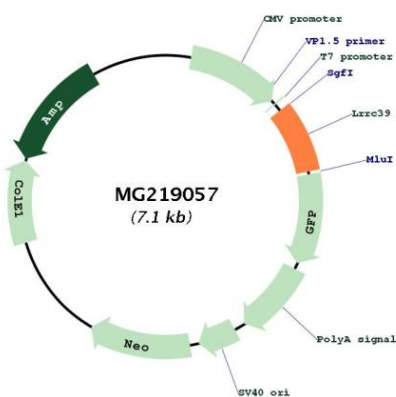
**Cloning Scheme:**


<b>ACCN:</b>	NM_027321
<b>ORF Size:</b>	525 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_027321.4</a>
<b>RefSeq Size:</b>	2880 bp
<b>RefSeq ORF:</b>	528 bp
<b>Locus ID:</b>	109245

**Cytogenetics:** 3 G1

**Gene Summary:** 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]

**Product images:**



Circular map for MG219057