

Product datasheet for **MG218329**

Lrrc39 (NM_175413) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc39 (NM_175413) 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: >MG218329 representing NM_175413
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGAAAGTGCAGTTTGTACCGGGGCCGTCAGTGCTGTAAGGAAGTCTGGGAAGAAAGAATAAAGA
 AACACCATGAAGACGTGAAGCGGGAGAAGGAATTCAGCATAAGCTAGTGCGGATCTGGGAAGACCGAGT
 AAGTTAACTAAGCTGAAAGAGAAGGTGACCAGGAAGATGGAAGAGTCATTTAAAGGATAGAGAAAGAA
 GAATGGAAGACTCTCCCTTCTTCTTACTGAAACTGAATCAGCTACAGGAATGGCAACTTCACAGGACCG
 GATTGTTGAAGATTCCTGAATTCATTGGAAGATCCAGCATCTCATTGTGCTAGATTTATCTCGGAACAC
 AATTTTCAGAGATCCCCGAGGGATTGGACTGCTCACTAGACTTCAGGAAGTATTCTTAGCTACAACAAA
 ATCAAGACTGTCCCCAAAGAACTGAGCAACTGTACCAGCTTGGAGAAGCTAGAACTGGCTGTGAACAGAG
 ATATAAGTGACCTCCCACCAGAGCTCAGCAAACTGTTAAAACACTCACCTTGACCTGAGTATGAATCA
 GTTCACTACGATCCCTCATGCTGTGTTGGACATGCCTGCCCTCGAGTGGCTGGATATGGGAAGCAACAGC
 CTGCAACAGCTTCTGACTCACTAGACAGAATGCGAAGTTACATACACTGTGGCTGCAGAGGAATGAAA
 TAACATGCCTGCCAGAGACAATCAAAAATGAAAAACTGGGTACTCTTGTCTCAGCAACAACAACT
 ACAAGATATCCCAGGCTGCATGGAAGAAATGACGAATCTGAGGTTTGTCAACTCCGAGACAACCCACTA
 AGACTGGAGGTGACGCTTCTCCAGCGACAACACAGATGGAGAGGAAGAACAGGAGTTATTTGGGCTGC
 AGTTTATGCACGCATACATACAAGAGTCCCGGAGAACAGAACCAAGTCAACTGTCTGACTCAAATGCC
 AAGCTCTATACATTCTGATGGAGAAAGTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218329 representing NM_175413
Red=Cloning site Green=Tags(s)

MTESAVCTGAVSAVKEVWEERIKKHEDVKREKEFQHKLVRIWEDRVSLTKLKEKVTREDGRVILRIEKE
 EWKTLPSSLLKLNQLQEWQLHRTGLLKIPEFIGRFQHLIVLDL SRNTISEIPRGIGLLTRLQELILSYNK
 IKTVPKELSNCTSLEKLELAVNRDISDLPPELSKLLKLTHLDLSMNQFTTIPHAVLDMPALEWLDMGNS
 LQQLPDSLDRMRLHTLWLQRNEITCLPETIKNMKNLGLVL SNNKLQDIPGCM EEMTNLRFVNF RDNPL
 RLEVTLPPSDNTDGE EEQELFGLQFMHAYIQESRRTEDQVNCLTQMPSSIHS DGESN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175413

ORF Size: 1011 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_175413.4](#)

RefSeq Size: 3092 bp

RefSeq ORF: 1014 bp

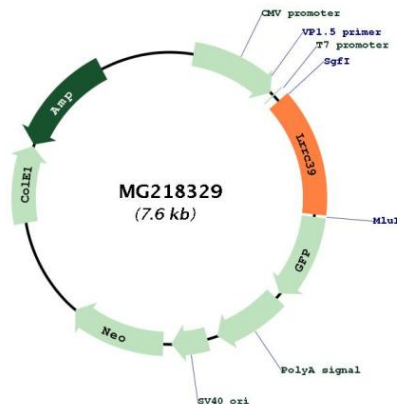
Locus ID: 109245

UniProt ID: [Q8BGI7](#)

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 MG218329