

Product datasheet for MR219057

Lrrc39 (NM_027321) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc39 (NM_027321) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrrc39
Synonyms: 2010005E21Rik; 9430028I06Rik; Myomasp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219057 representing NM_027321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGAAAGTGCgTTTGTACCGGGCCGTCAGTGCTGTAAGGAAGTCTGGGAAGAAAGAATAAGA
AACACCATGAAGACGTGAAGCGGGAGAAGGAATTCAGCATAAGCTAGTGCGGATCTGGGAAGACCGAGT
AAGTTAACTAAGCTGAAAGAGAAGGTGACCAGGAAGATGGAAGAGTCATTTAAGGATAGAGAAAGAA
GAATGGAAGACTCTCCCTCTTCTTACTGAACTGAATCAGCTACAGGAATGGCAACTTCACAGGACCG
GATTGTTGAAGATTCCTGAATTCATTGGAAGATCCAGCATCTCATTGTGCTAGATTTATCTCGGAACAC
AATTTAGAGATCCCCGAGGGATTGGACTGCTACTAGACTTCAGGAAGTATTCTTAGCTACAACAAA
ATCAAGACTGTCCCAAAGAACTGAGCAACTGTACCAGCTGGAGAAGCTAGAAGTGGCTGTGAACAGAG
ATATAAGTGACCTCCACCAGAGGTCAGAAAAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219057 representing NM_027321
 Red=Cloning site Green=Tags(s)

MTESAVCTGAVSAVKEVWEERIKKHEDVKREKEFQHLVRIWEDRVSLTKLKEKVTREDGRVILRIEKE
EWKTLPSSLLKLNQLQEWQLHRTGLLKIPEFIGRFQHLIVLDLSRNTISEIPRGIGLLTRLQELILSYNK
IKTVPKELSNCTSLEKLELAVNRDISDLPPEVRKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

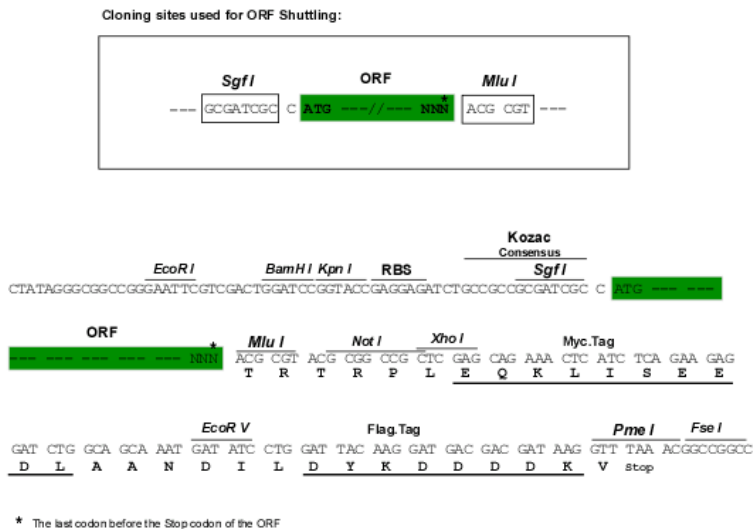
Chromatograms: https://cdn.origene.com/chromatograms/mm9041_h11.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027321

ORF Size: 525 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_027321.4](#)

RefSeq Size: 2880 bp

RefSeq ORF: 528 bp

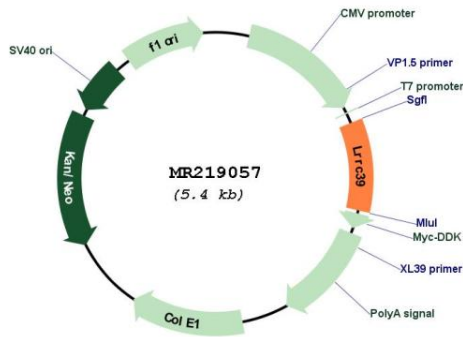
Locus ID: 109245

Cytogenetics: 3 G1

MW: 21 kDa

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 MR219057