

Product datasheet for **RR214570**

Lrrc39 (NM_001109637) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc39 (NM_001109637) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrrc39
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214570 representing NM_001109637
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGAAAGTGTGGTTTGTACCGGGCCGTCAGCACTGTAAGGAAGTCTGGGAAGAAGAATAAGA
AACATCATGAAGATGTGAAACGAGAGAAGGAATTCAGCAAAGCTAGTCCGGATCTGGGAAGACCGAGT
GAGTTTAACTAAGCTGAAAGAGAAGGTGACCAGGGAAGATGGAAGAATCATTCTAAGGATAGAGAAAGAG
GAATGGAAGACTCTCCCTTCTCCTTACTGAAACTGAATCAGCTACAGGAGTGGCAACTCATAGGACCG
GATTGTTGAAAATTCTGAATTCATTGGAAGATTCCAGCATCTCATTGTTCTAGACTTATCTCGGAACAC
AATTTTCAGAGATCCCCGAGGCATTGGACTGCTCACTAGACTTCAGGAACTGATTCTTAGCTACAACAAA
ATCAAGACTGTCCCAAAGAAGTGAAGCAACTGTGCCAGCTTGGAGAAGCTAGAACTGGCTGTAACACAGAG
ATATAAGCGACCTCCCGACAGAGCTCAGCAAAGTGTAAAACCTCACTCACCTTGACCTGAGCATGAACCA
GTTCAACACAATCCCTCTTGCTGTGCTGGACATGCCTGCCCTCGAGTGGCTGGATATGGGAAGCAACAGC
CTTCAACAGCTTCTGATACACTAGACAGAATGCAAAGTTTACATACACTGTGGCTACAGAGGAATGAAA
TAACATGCCTGCCAGAGACAATCAGGAATATGAAAACTTGGGGACTCTGTTCTCAGCAACAACAAGCT
ACAAGATATTCCAGGCTGCATGGAAGAAATGACGAGTCTGAGGTTTCGTCAACTTTTCGAGACAACCCACTA
AGACTGGAAGTGACACTTCTCCAGTGATGACGTAGATGGAGAGGAAGAACAGGAGTTATTTGGGCTTC
AGTTTCATGCACGCATACATACAAGAGTACGGAGAACAGAAGACCAAGTCAACTGTCTGACTCATACGCC
CAGCTCTACACGGTCTGATGGA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214570 representing NM_001109637
 Red=Cloning site Green=Tags(s)

MTESVVC TGAVSTV KEVWEERIKKHEDVKREKEFQQLVRIWEDRVSLTKLKEKVTREDGRIILRIEKE
 EWKTL PSSLKLNQLQEWQLHRTGLLKIPEF IGRFOHLIVLDL SRNTISEIPRGIGLLTRLQELILSYNK
 IKTVPKELSNCASLEKLELAVNRDISDLPTELSKLLKLT HLDLSMNQFTTIPLAVLDMPALEWLDMGNS
 LQQLPDTLDRMQSLHTLWLQRNEITCLPETIRNMKNLGT LVL SNNKLQDIPGCMEEMTSLRFVNF RDNPL
 RLEVTLPPSDDVDGEEEQELFGLQFMHAYIQESRRTEDQVNCLTHTPSSSTRSDG

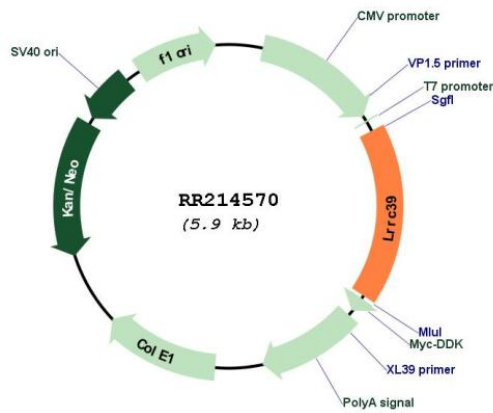
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109637

ORF Size:	1002 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:	<ol style="list-style-type: none">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_001109637.1 , NP_001103107.1
RefSeq Size:	2875 bp
RefSeq ORF:	1005 bp
Locus ID:	691307
UniProt ID:	D3ZXS4
Cytogenetics:	2q41
MW:	38.7 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]