

## Product datasheet for **RC232514**

### **LRRC39 (NM\_001256387) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC39 (NM_001256387) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232514 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAGAAAATGTGGTTTGTACTGGGGCTGTCAATGCTGTAAGGAAAGTTTGGGAAAAAGAATAAAGA  
AACTCAATGAAGACCTGAAGCGAGAGAAGGAATTTCAACACAAGCTAGTGCGGATCTGGGAAGAACGAGT  
AAGCTTAACCAAGCTAAGAGAAAAGTCCAGGGAAGATGGAAGAGTCATTTGAAGATAGAAAAAGAG  
GAATGGAAGACCCTCCCTTCTTCTGCTGAAACTGAATCAACTACAGGAATGGCAACTTCATAGAAGT  
GTTTGCTGAAAATTCCTGAATTCATTGGAAGATCCAGAACCTCATTGTGTTAGATTTATCTCGAAACAC  
AATTTTCAGAGATACCACCAGGGATTGGACTGCTTACTAGACTTCAGGAAGTATTCTCAGCTACAACAAA  
ATCAAGACTGTCCCAAGGAACTAAGTAATTGTGCCAGCTTGAGAAAAGTGAAGTGGCTGTTAACAGAG  
ATATATGTGATCTTCCACAAGAGCTCAGCAATCTGCTAAAAGTACTCACCTTGATCTGAGTATGAACGA  
TTTTACTACAATCCCTCTTGCTGTGTTGAACATGCCTGCCCTTGAGTGGCTGGACATGGGAAGCAACAAA  
CTTGAACAAGTTCCTGATACTATAGAAAGAATGCAAAATCTACATACGTTATGGCTGCAACGAAATGAAA  
TAACATGCTTGCCTCAACAATCAGCAATATGAAAAATCTGGGTACTCTTGTCTCAGCAACAATAAAGT  
GCAAGATATTCCAGTATGCATGGAAGAAATGGCAATCTGAGGTTTGTCAACTTCAGAGACAACCCACTG  
AAATTGAAAGTATCACTTCTCCAGTGAAGGCACAGATGAAGAAGAGGAACGGGAATTTTGGCCTTC  
AGTTTATGCACACATACATACAAGAGTACGGAGAAGAGCAGATACCAAGTCAACGGTTCAACTACTTT  
ACCAATCTCCATAAATACGGATGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232514 protein sequence  
Red=Cloning site Green=Tags(s)

MTENVVCTGAVNAVKEVWEKRIKKLNEDLKREKEFQHKLVRIWEERVSLTKLREKVTREDGRVILKIEKE  
 EWKTLPSSLLKLNQLQEWQLHRTGLLKIPEFIGRFQNLIVLDLSRNTISEIPPGLLTRLQELILSYNK  
 IKTVPKELSNCASLEKLELAVNRDIDLPQELSNLLKLTDLDSMDFTTIPLAVLNMPALEWLDMGSNK  
 LEQLPDTIERMQNLHTLWLQRNEITCLPQTI SNMKNLGTLLVLSNNKLQDIPVCMEEANLRFVNFDRNPL  
 KLVSLPPSEGTEEEERELFGLQFMHTYIQESRRRRADHQVNGSTTLPISINTDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6428\\_h10.zip](https://cdn.origene.com/chromatograms/mk6428_h10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001256387

**ORF Size:** 1005 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\\_001256387.1](#), [NP\\_001243316.1](#)

**RefSeq Size:** 1825 bp

**RefSeq ORF:** 1008 bp

**Locus ID:** 127495

**UniProt ID:** [Q96DD0](#)

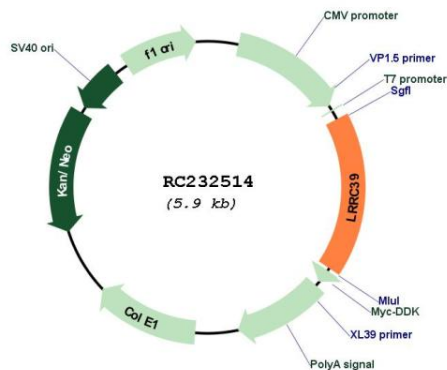
**Cytogenetics:** 1p21.2

**Protein Families:** Druggable Genome

**MW:** 38.8 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 RC232514