

Product datasheet for **MR208399**

Lrrc1 (NM_001146048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc1 (NM_001146048) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc1
Synonyms:	A430093J20Rik; AU016091; D030059I21; mKIAA4018
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208399 representing NM_001146048
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCCACTGCATTCCCCTGTGGCGGTGCAACCGTCATGTGGAGCCATCGACAAGCGCCACTGCTCGC
 TGGTCTACGTCCCGAGGAGATCTACCGCTATGCCCGCAGCCTGGAGGAGCTGCTGCTGGAGCCCAACCA
 GCTCCGGGAGCTCCCGAGCAATTTTTCCAGCTAGTCAAATTACGGAAGCTTGGGCTCAGTGATAATGAA
 ATTCAGCGGCTCCCTCCAGAAATAGCAAATTCATGCAGCTCGTGGAACTTGACGTGTCCCGGAATGATA
 TACCTGAAATTCAGAAAGCATCGCCTTCTGTAAGCGCTGCAGGTAGCTGACTTCAGCGGAAACCCACT
 CACCAGTTGCCTGAGAGCTTCTGAACTACAGAACTAACGTGTCTTCTGTAATGACATCTCGCTG
 CAGTCTCTGCCAGAGAATATTGAAATCTCTATAACCTGGCTTCACTGGAAGTGGAGAGAATCTTCTTA
 CATATCTTCTGACTCTTACCCAATAAGGAGACTAGAAGAACTTGATTTAGGAAACAATGAAATCTA
 CAATTTGCCAGAATCAATTGGGGCACTCCTACATCTGAAGGATCTCTGGTTGGATGGAAATCAGCTGTCT
 GAATTACCTCAGGAAATCGGCAATCTGAAGAACCCTCCTCTGCCTAGATGTCTCTGAAAACAGGCTGGAGA
 GACTTCTGAAGAGATCAGCGGCCTGACTTCTTTGACATACTTAGTCATTTCCCGAACTTGCTAGAAAAC
 AATTCTGAGGGCATTGGAAAATAAAGAAGCTGTCAATCTTGAAGTTGGATCAGAACAGACTCACACAG
 TTGCCCGAAGCAATTGGGGATTGTGAAAATCTCACGGAGTTAGTCTTACAGAAAACCGGCTCCTGACTT
 TACCTAAGAGCATTGGAAAATAAAGAAGTTGAGCAACTGAATGCAGACAGGAATAAATAGTGTCTATT
 GCCAAAAGAGATTGGCGGGTGTGCAGCCTCACCATGTTCTGCATCCGGGACAACAGACTGACTCGGTTA
 CCTGCAGAGGTGTACAGGCCGTGGAACCTCATGTCTCGACGTGGCAGGGAACAGGTTACATCATCTGC
 CCTTATCGCTGACCACCCTGAAGTTGAAGGCCCTGTGGTTATCTGACAACCAAGTCCGAGCCTCCTCCAC
 GTTCCAGACAGACATAGACCGAGCCACCGGGGAGAAGATTTAAACGTGTGTCTTACTTCTCAGATGCCT
 TCTGAACCCTATGCAAGAGAGCCTGCCGCGTTGCGGTGCCCTGGAGAGTCTGGTAACTGACATGTCTG
 AGGAAGCCTGGAATGACCCTCGGTCCACAGGTTAGTGAATCCGGTTTTTGGAAAGACGAGAAGGACGA
 AGATGAAAACGAAACGAGAACACTTCAGAGGCGAGCCACTCCACACCCAGGGGAATTAAGAACATGAAA
 AAGACGGTGGAGAATTTACGGAACGACATGAATGCCGCCAAAGGACTGGATTCAAACAAAACGAGGTCA
 ACCACGCCGCTGAGCGCTGACCACATCGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208399 representing NM_001146048
 Red=Cloning site Green=Tags(s)

MFHCIPLWRCNRHVEAIDKRHCSLVVYVPEEIIYRYARSLEELLDDANQLRELPEQFFQLVKLRKLGKLDSDNE
 IQRLPPEIANFMQLVELDVSRNDIPEIPESIAFCKALQVADFSGNPLTRLPEFPELQNL TCLSVNDISL
 QSLPENIGNLYNLASLELRENLLTYLPDSLQLRRLEELDLGNNEIYNLPESIGALLHLKDLWLDGNQLS
 ELPQEIGNLKNLLCLDVSENRLERLPEEISGLTSLTYLVISQNLLETIPEGIGLKKLSILKLDQNLRTQ
 LPEAIGDCENLTELVL TENRLL TLPKISIGLKKLSNLNADRNLVSLPKEIGGCCSLTMFCIRDNRTRL
 PAEVSQAVELHVLVDVAGNRLHHLPLSLTTLKALKALWLDNQSQPLLTFQTDIDRATGEKILTCVLLPQMP
 SEPIQCESLPRCGALESLVDTMSEEAWNDRSVHRVSAIRFLEDEKDEDENETRTLQRRATPHPGELKNMK
 KTVENLRNDMNAAKGLDSNKNEVNHAAERVTTTSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9081_c08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_001146048

ORF Size: 1572 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_001146048.1](#), [NP_001139520.1](#)
RefSeq Size: 3103 bp

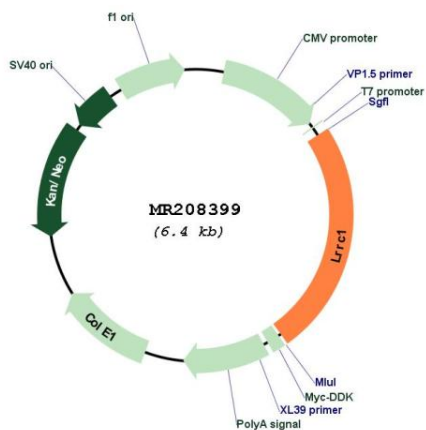
RefSeq ORF: 1575 bp

Locus ID: 214345

UniProt ID: [Q80VQ1](#)
Cytogenetics: 9 D

MW: 59.4 kDa

Product images:



Circular map for MR208399