

## Product datasheet for MR204340

### Lrrc59 (NM\_133807) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lrrc59 (NM\_133807) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Lrrc59  
 Synonyms: AA959742; C78668  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR204340 representing NM\_133807  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCAAGGCCGGTAGCAAGGGCGGGAACCTCCGCGACAAGCTGGACGGCAATGAGCTGGACCTGAGCC  
 TCAGCGACCTGAATGAAGTCCCCGTCAAGGAGCTGGCTGCACTTCCCAAGGCTACGGTATTGGATCTGTC  
 CTGCAATAAACTGAGTACTTCCGTCCGATTTCTGTGGCCTCACACACCTGGTAAAGCTGGACCTCAGC  
 AAGAACAAGCTGCAGCAGCTACCCGAGACTTTGGCCGCCTGGTTAACCTTCAGCATTTGGATCTCCTCA  
 ACAACAGGCTGGTCACCCTGCCTGTGAGCTTTGCCAGCTCAAGAATCTGAAGTGGCTGGATCTGAAGGA  
 CAATCCCCTGGACCCTGTCTGGCCAAGGTGGCAGGTGATTGCTTGGATGAGAAGCAATGTAAAGCAGTGT  
 GCAAACAAGGTGTTACAGCACATGAAGGCCGTGCAGGCAGATCAGGAACGAGAGCGGCAGCGCCGGCTGG  
 AAGTGGAGCGAGAGGCAGAGAAGAAGCGTGAGGCCAAGCAGCAAGCTAAGGAAGCGAAGGAGCGCGAGCT  
 GCGGAAGCGGGAGAAGGCGGAGGAGAAGGAGCGCCGGCGGAAGGAGTATGACGCTCAGAAGGCGTCCAAG  
 CGGGAGCAAGAGAAGAAGCCTAAGAAAGAGGCAAACCAGGCCCGAAATCGAAGTCTGGCTCTCGTCCTC  
 GCAAGCCACCACCCGAAAACACACTCGCTCCTGGGCTGTGCTGAAGGTGTTGCTGTTGCTCCTGCTGCT  
 GTGTGTAGCAGGAGGGCTGGTTGTATGCCGGGTGACAGGGCTGCACCAGCAGCCCTCTGCACCAGCGTG  
 AACACCATCTACGACAATGCGGTCCAGGGCCTGCGTCATCATGAGATCCTCCAGTGGGTCCTGCAAACCG  
 ACTCCCAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204340 representing NM\_133807  
Red=Cloning site Green=Tags(s)

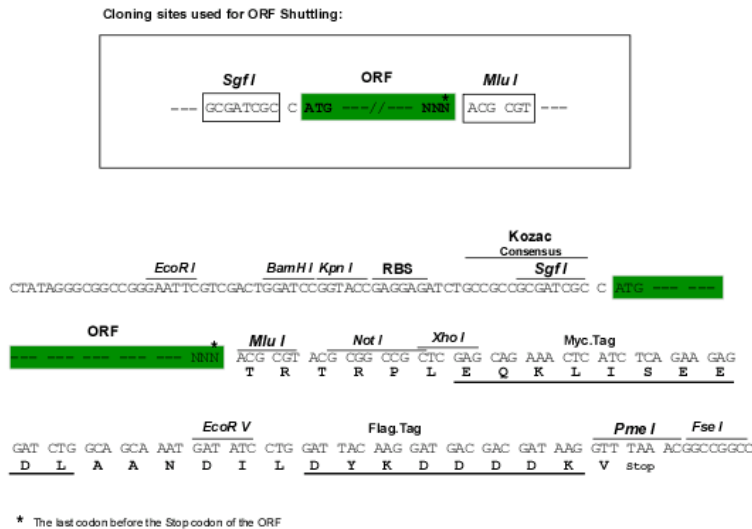
MTKAGSKGGNLRDKLDGNELDLSDLNEVPVKELAAALPKATVLDLSCNKLSTLPDFCGLTHLVKLDLS  
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 ANKVLQHMKAQADQERERQRRLEVEREAIEKKREKQAKEAKERELRKREKAEKERRRKEYDAQKASK  
 REQEKKPKKEANQAPKSKSGSRPRKPPPRKHTRSWAVLKVLLLLLLLLCVAGGLVVCRTVGLHQPLCTSV  
 NTIYDNAVQGLRHHEILQWVLQTDSQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9026\\_g10.zip](https://cdn.origene.com/chromatograms/mm9026_g10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_133807

**ORF Size:** 921 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\\_133807.2](#)

**RefSeq Size:** 2810 bp

**RefSeq ORF:** 924 bp

**Locus ID:** 98238

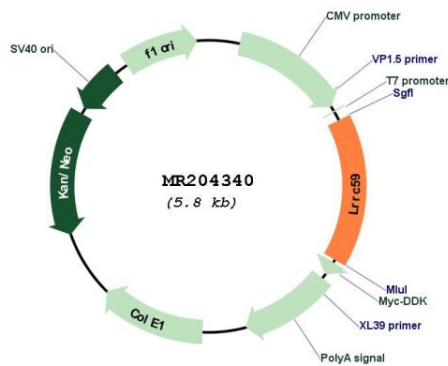
**UniProt ID:** [Q922Q8](#)

**Cytogenetics:** 11 D

**MW:** 35.3 kDa

**Gene Summary:** Required for nuclear import of FGF1, but not that of FGF2. Might regulate nuclear import of exogenous FGF1 by facilitating interaction with the nuclear import machinery and by transporting cytosolic FGF1 to, and possibly through, the nuclear pores (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR204340