

Product datasheet for **RR214185**

Lrrc59 (NM_001008280) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc59 (NM_001008280) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrrc59
Synonyms: MGC105677
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR214185 representing NM_001008280
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCAAGACCGGTAGCAAGGGCGGGAACCTCCGCGACAAGCTGGACGGCAATGAGCTGGACCTGAGTC
 TCAGCGACCTGAATGAGGTCCCCGTCAAGGAGCTGGCTGCACTTCCAAGGCCACCGTGTGGATCTGTC
 CTGCAATAAACTGAGCACTCTCCGTCCGATTTCTGTGGCCTCACGCACCTGGTAAAGCTGGACCTCAGC
 AAGAACAAGCTGCAGCAGCTGCCCGCAGACTTTGGTCGCCTGGTTAACCTTCAGCATTTGGATCTCCTCA
 ACAACAGGCTGGTCACCCTGCCTGTCAGCTTTGCTCAGCTCAAGAATCTGAAGTGGCTGGATCTGAAGGA
 CAATCCCTGGATCCTGTCTGGCCAAGGTGGCAGGTGATTGCTTGGATGAGAAGCAATGTAAAGCAGTGT
 GCAAACAAGTGTACAGCACATGAAGGCCGTGCAGGCAGATCAGGAACGAGAGCGGCAGCGCCGGCTGG
 AAGTGGAGCGAGAGGCAGAGAAGAAGCGTGAGGCCAAGCAGCAAGCTAAGGAAGCAAAGGAGCGCGAGCT
 GAGGAAGCGGGAGAAGGCGGAGGAGAAGGAGCGTCGGCGAAAGGAGTATGATGCTCAGAAAGCTTCCAAG
 CGGGAGCAAGAGAAGAAGCCTAAGAAGGAAACAATCAGGCCCAAAATCGAAGTCTGGCTCTCGCCCTC
 GCAAGCCACCACCCGAAAACACAATCGCTCCTGGGCTGTGCTGAAGGGTTGTTGCTGCTGCTGCTGCT
 ATGTGTAGCAGGAGGGCTGGTTGTATGCCGGGTGACAGGGCTGCAACAGCAGCCCTCTGCACCAGCGTG
 AACCCATCTACGACAATGCCGTCCAGGGCCTGCGCCATCATGAGATCCTCCAGTGGGTCTCCAGACCG
 ACTCCCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214185 representing NM_001008280
 Red=Cloning site Green=Tags(s)

MTKTGSKGGNLRDKLDGNELDLSDLNEVPVKELAAALPKATVLDLSCNKLSTLPDFCGLTHLVKLDLS
 KNKLQQLPADFGRLVNLQHLDLLNNRLVTLVPSFAQLKNLKWLDLKDNPDPVLAKVAGDCLDEKQCKQC
 ANKVLQHMKAQADQERERQRRLEVEREAIEKKREKQAKEAKERELRKREKAEKERRRKEYDAQKASK
 REQEKKPKKETNQAPKSKSGSRPRKPPPRKHNRSWAVLKGLLLLLLLLCVAGGLVVCRTGLQQQLCTSV
 NAIYDNAVQGLRHHEILQWVLQTDSSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008280

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_001008280.1](#), [NP_001008281.1](#)

RefSeq Size: 2825 bp

RefSeq ORF: 924 bp

Locus ID: 287633

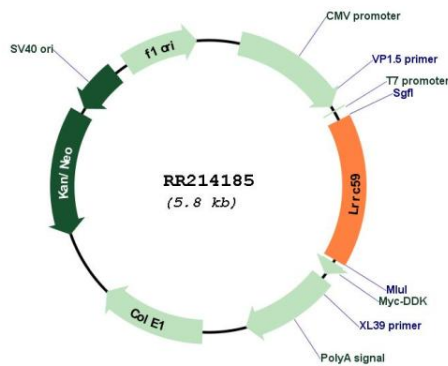
UniProt ID: [Q5RJR8](#)

Cytogenetics: 10q26

MW: 34.9 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 RR214185