

## Product datasheet for **RN214185**

### Lrrc59 (NM\_001008280) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc59 (NM\_001008280) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lrrc59  
**Synonyms:** MGC105677  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN214185 representing NM\_001008280  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACCAAGACCGGTAGCAAGGGCGGGAACCTCCGCGACAAGCTGGACGGCAATGAGCTGGACCTGAGTC  
TCAGCGACCTGAATGAGGTCCCCGTCAAGGAGCTGGCTGCACTTCCAAGGCCACCGTGTGGATCTGTC  
CTGCAATAAACTGAGCACTCTCCGTCCGATTTCTGTGGCCTCACGCACCTGGTAAAGCTGGACCTCAGC  
AAGAACAAGCTGCAGCAGCTGCCCGCAGACTTTGGTCGCCTGGTTAACCTTCAGCATTGGATCTCCTCA  
ACAACAGGCTGGTCACCCTGCCTGTCAGCTTTGCTCAGCTCAAGAATCTGAAGTGGCTGGATCTGAAGGA  
CAATCCCTGGATCCTGTCTGGCCAAGGTGGCAGGTGATTGCTTGGATGAGAAGCAATGTAAAGCAGTGT  
GCAAACAAGTGTACAGCACATGAAGGCCGTGCAGGCAGATCAGGAACGAGAGCGGCAGCGCCGGCTGG  
AAGTGGAGCGAGAGGCAGAGAAGAAGCGTGAGGCCAAGCAGCAAGCTAAGGAAGCAAAGGAGCGCGAGCT  
GAGGAAGCGGGAGAAGGCGGAGGAGAAGGAGCGTCGGCGAAAGGAGTATGATGCTCAGAAAGCTTCCAAG  
CGGGAGCAAGAGAAGAAGCCTAAGAAGGAAACAATCAGGCCCAAAATCGAAGTCTGGCTCTCGCCCTC  
GCAAGCCACCACCCGAAAACACAATCGCTCCTGGGCTGTGCTGAAGGGTTGTTGCTGCTGCTGCTGCT  
ATGTGTAGCAGGAGGGCTGGTTGTATGCCGGGTGACAGGGCTGCAACAGCAGCCCTCTGCACCAGCGTG  
AACGCCATCTACGACAATGCCGTCCAGGGCCTGCGCCATCATGAGATCCTCCAGTGGTCCCTCCAGACCG  
ACTCCCAGCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001008280



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<b>Insert Size:</b>	924 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001008280.1</a></u> , <u><a href="#">NP_001008281.1</a></u>
<b>RefSeq Size:</b>	2825 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	287633
<b>UniProt ID:</b>	<u><a href="#">Q5RJR8</a></u>
<b>Cytogenetics:</b>	10q26
<b>Gene Summary:</b>	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]