

## Product datasheet for **RN206048**

### **Lrrfip1 (NM\_001014269) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrrfip1 (NM_001014269) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrfip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206048 representing NM\_001014269  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCAGCCAGAGGGCGCAAACAAGGAAATCGACTGTCTGAGTCCAGAAGCGCAAAGACTGGCGG  
 AGGCTAGGCTTGACGGAAGCGTGCAGCCCGCCGAGGCTCGAGAGATCCGGATGAAGGAGCTGGAACG  
 GCAGCAGAAAGAGGTAGAAGAAAGACCGGACAAAGACTTCGCTGAGAAGGGCTCCCGTAACATGCCAGC  
 CTGTCTGCAGCCACACTGGCATCTCTGGGCGGACTTCCTCCCGAGAGGGAGTGAGACACCTCCATCT  
 CCATGGACACCGAGGCATCCATCAGGGAGATCAAGGACTCTCTGGCCGAAGTTGAGGAGAAATACAAGAA  
 GGCTATGGTCTCCAACGCCAGCTAGACAACGAGAAGACCAACTTCATGTACCAGGTGGACACACTGAAG  
 GACATGCTGCTGGAGCTGGAAGAGCAGCTGGCCGAGTCTCAGAGGCAATACGAGGAGAAGAACAAGGAGT  
 TCGAGAGGGAGAAGCATGCCACAGCATCTACAGTTCAGTTTCCGGAAGTGAAGAGGGCCCTGAGGCA  
 AAGGGAAGAAATGCTCGAAAACATGGAATAATCTAAATTCAGAAATAGCCACCAACGGAGAGACTTCG  
 GACACAGTAAATGATGTTGGGTACCAAGCGCCACGAAGATAACAAAAGAAGAGCTGAATGCCCTCAAGG  
 CAGCTGGGGAAGGGACACTAGGAAAAGCCAAAGAAGTGGAGGTGAAAAGGAAATTTGGGAGAAAGTGGG  
 GCAAAGAGAAACCTTACAGGATTCTGAGCAAGAACAGCCAAACTCAACACAGGAAAGGATTGTGTGGAC  
 AGAGGGGTGTTACATCCTGGTGAAGGCTGAGAACCAAGACCCGTTGAAGACAGTGCCTGTCCCCGG  
 GACCACTAGCAGGGGCCAAGTGTGAGCAAGAGGTTGAGAGCAAGATCAAGAAAACACTTCCATCTCAA  
 AAGCCCAGAGCAGATTGAGTACACGAGGTCACAAACAAGTCAGACAGTAGGGACAGCAACTCCCCTGAA  
 CCATCTAGCTGCCGGGGAGGCTAGACAGTGAAGTGTGAGGGCCACTGCCTTGGGTATCAAAAACCAA  
 GTGAAAACCTCTATGGATAGTCAGGGTAAAGAAAACCAAGAAGATTTGGGAAAAGGTAGCTTTGAACCAGC  
 TCCAGACCACGTTTTGGGGCAAACACTGAAATGACAAGGTGAGCTGTACAGACTCAAGGGGCACAGGT  
 GGAACCACTGGAGGATGTGGTACAGGACGGGACACCATAGTTGAGGACCAAGTAGGGACAATGGCCT  
 CTGCAGAGCAAAGCAAAGCATGGAGAATCACATTGGAAGAAGTCTGAACGATGGGCTGGGGCAGAGCTC  
 AGAGAGAGAACTCGCCATGAAGCAGCTGAGCTTGAAGAGGCCCTCACTCAGAGTTCACAGGCAGGCGGA  
 GAGAACACCGTTACTGAGGCTGAAGATGCAGCAGTAAGAGATGAGAAGCCCTCCAGGCAGACGTCCAGG  
 CAACCCCTGCAGTCCCACAGTTCAGAGCGCCATCAGGACACGACAGGGCCAGGTAGCACAGACACCAA  
 GCACACATCACCTCACGAAAAGAAGCTAACAAAGCAAAGAGCGAGCAGCAGGCAGAGCCCTGGATTCA  
 CCCAGAGAAGACTAAGAACAAGAAGAAGAACAAGAAGAAGAAAGTGCAGTCCCATGGAACCT  
 GCAAAGATGCTAACGAGGAGTCAAGCTGTGAGGACCCAGATGTGGGTGATGGGGAGGAAGAAGAGCGGGT  
 CCAGGCCACCGACAAGAAATGGGCGGCAGAGACCCGAAACTGAAAGAAGATCCTCAAAGTCGGCAAGT  
 GGGAAACAGAACGACGCGGAGGAGGACAGCGGTCCAGTGAAGGTCCCACAGACGTCTTGGATCAGAACA  
 GTCTGCAGTGTGACAGCGGGGACATCTCCCAAGTAGGCAGGAAAGGTCCCAGGAGGATGCCTCTCAGAT  
 AGGTGGTGAAGAGGGACTTGTGCCCTCCCAACATCCAGGCCAGGCAGATGAGAAGGGTATTGAGGGCCAC  
 AGCGTAGACAACAGTGACCTGTGAGGGAGCTGGGGGCTTCAATTCAGAAAGTGGAGAGCAGGCAAGAG  
 AGGAGTTGGGAACAGCAAGAGTAAAGAGGATTGCACCATGTCG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001014269

**Insert Size:** 2217 bp

**OTI Disclaimer:** 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_001014269.1</a></u> , <u><a href="#">NP_001014291.1</a></u>
<b>RefSeq Size:</b>	3667 bp
<b>RefSeq ORF:</b>	2217 bp
<b>Locus ID:</b>	367314
<b>UniProt ID:</b>	<u><a href="#">Q66HF9</a></u>
<b>Cytogenetics:</b>	9q36
<b>Gene Summary:</b>	Transcriptional repressor which preferentially binds to the GC-rich consensus sequence (5'-AGCCCCGGCG-3') and may regulate expression of TNF, EGFR and PDGFA. May control smooth muscle cells proliferation following artery injury through PDGFA repression. May also bind double-stranded RNA. Positively regulates Toll-like receptor (TLR) signaling in response to agonist probably by competing with the negative FLII regulator for MYD88-binding (By similarity).[UniProtKB/Swiss-Prot Function]