

## Product datasheet for **MC208900**

### **Lrrfip1 (NM\_001111312) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrrfip1 (NM_001111312) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrfip1
Synonyms:	AU024550; Fliiap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC208900 representing NM\_001111312  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGACATGGGCACGCAGGGATCGGGCGCAAGCGGCTCCCCAACCGGGAGCGGCTGACGGCGGAGGACG  
 ACGCGCTGAACCAGATCGCGCGGAGGCGAGGCCAGGCTCGCAGCGAAGCGTGCAGCCGAGCCGAGGC  
 TCGAGAGATCCGGATGAAGGAGCTGGAACGGCAGCAGAAAGAGGTAGAAGAAAGACCAGACAAAGACTTT  
 GCTGAGAAGGGTCCCCTAACATGCCTAGCCTGTCTGCAGCCACACTGGCATCTCTGGTGGGACTTCCT  
 CCCGGAGAGGGAGTGGAGATACCTCCATCTCCATGGACACCGAAGCATCCATCAGGGAATCAAGGAACT  
 TAATGAGTTAAAGGACCAGATTCAGGATGTAGAAGGCAAATACATGCAGGGACTGAAAGAGATGAAGGAC  
 TCGCTGGCCGAAGTTGAGGAGAAGTACAAGAAAGCTATGGTCTCAACGCCAGCTAGACAATGAGAAGA  
 CCAACTTCATGTACCAGGTGGACACACTGAAGGACATGCTGCTGGAGCTGGAAGAGCAGCTGGCCGAGTC  
 TCAGCGGCAATACGAGGAGAAGAACAAGGAGTTTCGAGAGGAGAAGCATGCCACAGCATCCTGCAGTTC  
 CAGTTTGCCTGAAGTGAAGAGGCCCTGCGGCAAGGGAAGAGATGCTCGAGAAACATGGAATAATCCTAA  
 ATTCAGAAATAGCCACCAACGGAGAGACTTCAGACACAGTAAATGACGTTGGGTATCAAGCCCCTACGAA  
 GATAACAAAAGAAGAGCTGAATGCCCTCAAGTCGGCCGGGGAGGGGACCTAGACGTTAGGTTGAAAAAG  
 CTCATTGATGAACGGGAATGTCTGTTGGAACAGATTAAGAAGCTCAAAGGCGAGCTGGAGGGAAGACAGA  
 AGAACACAAGCTGGACCTTCTTCGAGCCGAGGACGGTATCTTGGAGAATGGGACAGACGCGCATGTCAT  
 GGATCTGCAAAGAGATGCCAACAGACAGATCAGCGACCTCAAAATTTAACTTGCAAAATCTGAGCAAGAG  
 ATAACCTGCCTTAGAACAAAATGTAATAAGGTTAGAGAGCCAAGTAACGCGCTATCGATCAGCCGCCGAAA  
 ATGCAGAAAAAATAGAAGATGAACTAAAGGCAGAAAAACGGAAGCTCCAGAGAGAGCTTCGCTCTGCACT  
 GGACAAAACAGAAGAGCTCGAGGTGAGCAACGGCCACCTCGTAAAGCGACTGGAAGAGATGAAAGCCAAC  
 CGCAGCGCTCTCTGTCCAGCA**ATA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001111312

**Insert Size:** 1287 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001111312.1, NP_001104782.1</u>
<b>RefSeq Size:</b>	2107 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	16978
<b>UniProt ID:</b>	<u>Q3UZ39</u>
<b>Cytogenetics:</b>	1 D
<b>Gene Summary:</b>	<p>Transcriptional repressor which preferentially binds to the GC-rich consensus sequence (5'-AGCCCCCGGCG-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 (By similarity). 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]</p> <p>Transcript Variant: This variant (3) has multiple differences in the coding region and contains different segments for both UTRs, compared to variant 1. The resulting protein (isoform 3) is shorter and has distinct N- and C-termini when it is compared to isoform 1.</p>