

## Product datasheet for **MG221885**

### Lrrfip1 (NM\_008515) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrfip1 (NM_008515) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrfip1
Synonyms:	AU024550; Fliiap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221885 representing NM\_008515  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCAGCCAGAGGGCGCGCAAACAAGGAAATCGACTGTCTGAGTCCAGAGGCGCAAAGACTGGCGG  
 AGGCCAGCTCGCAGCGAAGCGTGCAGCCCGAGCCGAGGCTCGAGAGATCCGGATGAAGGAGCTGGAACG  
 GCAGCAGAAAGAGATCTATCAAGTCCAGAAGAAATATTATGGGCTGGATACAAAATGGGGCGACATCGAG  
 CAGTGGATGGAAGACAGCGAGCGCTACTCTCGTAGATTCCGGAGAAAACAGTCGGCTTCTGACGAAGACG  
 AGCGCTTGTCCGTGGTGTAGTCGCGGCAGCCTAAGGACTAACGGTTATGACGGAGACTATTGTGGATCCCA  
 GTCCCTAAGTAGAAGATCTGGCAGGGGACTCTCCTGCTCCAACCTTGGCCTTCCCAGCAGTGGCCTTGCT  
 TCCAAACCCTGTCTACCCAGAATGGATCCCGGGCGTCCATGCTGGATGAGAGCAGCCTCTATGGGGCTC  
 GAAGGGGAAGCGCTGTGGTTCTCGAGCACCTCAGAATATGGCAGCCACCTCAACTCCAGCTCCGGGGC  
 CTCTTCTAGGGCCAGCTCTGCAAGGGCCAGTCTGTGGTGAAGAAAGACCAGACAAAGACTTTGCTGAG  
 AAGGGCTCCCGTAACATGCCTAGCTGTCTGCAGCCACACTGGCATCTCTGGGTGGGACTTCTCCCGGA  
 GAGGGAGTGGAGATACCTCCATCTCCATGGACACCCGAAGCATCCATCAGGGAAATCAAGGAACTTATGA  
 GTTAAAGGACCAGATTAGGATGTAGAAGGCAAATACATGCAGGGACTGAAAGAGATGAAGGACTCGCTG  
 GCCGAAGTTGAGGAGAAGTACAAGAAAGCTATGGTCTCCAACGCCAGCTAGACAATGAGAAGACCAACT  
 TCATGTACCAGGTGGACACACTGAAGGACATGCTGCTGGAGTGGAAAGAGCAGCTGGCCGAGTCTCAGCG  
 GCAATACGAGGAGAAGAACAAGGAGTTCGAGAGGGAGAAGCATGCCACAGCATCCTGCAGTTCAGTTT  
 GCCGAGTGAAGAGGGCCCTGCGGCAAAGGGAAGAGATGCTCGAGGAAATCCGACAGCTGCAGCAGAAAC  
 AGCGGGTTTTATCAGGGAGATTTCTGATCTTCAGGAAACGATAGAATGGAAAGACAAAAGATAGGGGC  
 ATTAGAAAGACAGAAAGAGTTCTTTGATTCATTAAGGAGCGAACGAGATGACCTTAGAGAAGAAACAGTC  
 AAGCTGAAGGAGGAGTTGAAGAAACATGGAATAATCCTAAATTCAGAAATAGCCACCAACGGAGAGACTT  
 CAGACACAGTAAATGACGTTGGGTATCAAGCCCTACGAAGATAACAAAAGAAAGAGCTGAATGCCCTCAA  
 GTCGGCCGGGAGGGGACCCTAGACGTTAGGTTGAAAAGCTCATTGATGAACGGGAATGTCTGTTGGAA  
 CAGATTAAGAAGCTCAAAGGGCAGCTGGAGGGAAGACAGAAGAACAACAAGCTGGACCTTCTCGAGCCG  
 AGGACGGTATCTGGAGAATGGACAGACGCGCATGTCATGGATCTGCAAAGAGATGCCAACAGACAGAT  
 CAGCGACCTCAAATTTAACTTGCAAAATCTGAGCAAGAGATAACTGCCTTAGAACAAAATGTAATAAGG  
 TTAGAGAGCCAAGTAACGCGCTATCGATCAGCCCGGAAAATGCAGAAAAATAGAAGATGAACTAAAGG  
 CAGAAAAACGGAAGCTCCAGAGAGAGCTTCGCTCTGCACTGGACAAAACGAAGAGCTCGAGGTGAGCAA  
 CGGCCACCTCGTAAAGCGACTGGAAAAGATGAAAGCCAACCGCAGCGCTCTCTTGTCCCGACAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG221885 representing NM\_008515  
 Red=Cloning site Green=Tags(s)

MTSPEGAQNKEIDCLSPEAQRLEEARLAAKRAARAEAREIRMKELERQQKEIYQVQKYYGLDTKWGDIE  
 QWMEDSERYSRRFRNNTSASDEDERLSVSGRSLRTNGYDGDYCGSLSLRRSRRGLSCSNLGLPSSGLA  
 SKPLSTQNGSRASMLDESSLYGARRGSACGRAPSEYGSHLNSSSRASSRASSARASPVVEERPKDFAE  
 KGSRNMPSLSAATLASLGGTSSRRGSGDTSISMDTEASIREIKELNELKDQIQDVEGKYMQLKEMKDSL  
 AEVEEKYKAMVSNAQLDNEKTNFMYQVDTLKDMLLEEEQLAESQRQYEEKNKEFEREKHAHSILQFQF  
 AEVKEALRQREEMLEEIIRQLQKQAGFIREISDLQETIEWKDKKIGALERQKEFFDSIRSERDDLREETV  
 KLKEELKKHGIIINSEIATNGETSDTVNDVGYQAPTKITKEELNALKSAGEGLDVRLKKLIDERECLLE  
 QIKKLGQLEGRQKNNKLDLLRAEDGILENGTDAHVMDLQRDANRQISDLKFKLAKSEQEITALEQNIVIR  
 LESQVTRYRSAENAENAEKIEDELKAEKRKLQRELRALSALDKTEELEVSNHGLVVRLEKMKANRSALLSQQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_008515.4</a> , <a href="#">NP_032541.1</a>
<b>RefSeq Size:</b>	2850 bp
<b>RefSeq ORF:</b>	1887 bp
<b>Locus ID:</b>	16978
<b>UniProt ID:</b>	<a href="#">Q3UZ39</a>
<b>Cytogenetics:</b>	1 D
<b>Gene Summary:</b>	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]