

## Product datasheet for **MG221889**

### Lrrfip1 (NM\_001111312) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrfip1 (NM\_001111312) 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)  
**ORF Nucleotide Sequence:** >MG221889 representing NM\_001111312  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACATGGGCACGCAGGGATCGGGCGCAAGCGGCTCCCCAACCGGGAGCGGCTGACGGCGGAGGACG  
ACGCGCTGAACCAGATCGCGCGGAGGCCGAGGCCAGGCTCGCAGCGAAGCGTGCAGCCCAGCCGAGGC  
TCGAGAGATCCGGATGAAGGAGCTGGAACGGCAGCAGAAAGAGGTAGAAGAAAGACCAGACAAAGACTTT  
GCTGAGAAAGGGCTCCCGTAACATGCCTAGCCTGTCTGCAGCCACACTGGCATCTCTGGTGGGACTTCT  
CCCGGAGAGGGAGTGGAGATACCTCCATCTCCATGGACACCGAAGCATCCATCAGGAAAATCAAGGAACT  
TAATGAGTTAAAGGACCAGATTCAGGATGTAGAAGGCAAATACATGCAGGGACTGAAAGAGATGAAGGAC  
TCGCTGGCCGAAGTTGAGGAGAAGTACAAGAAAGCTATGGTCTCCAACGCCAGCTAGACAATGAGAAGA  
CCAACCTCATGTACCAGGTGGACACACTGAAGGACATGCTGCTGGAGCTGGAAGAGCAGCTGGCCGAGTC  
TCAGCGGCAATACGAGGAGAAGAACAAGGAGTTCGAGAGGGAGAAGCATGCCACAGCATCTCTGCAGTTC  
CAGTTTGGCCGAAGTGAAGAGGCCCTGCGGCAAAGGGAAGAGATGCTCGAGAAACATGGAATAATCCTAA  
ATTCAGAAATAGCCACCAACGGAGAGACTTCAGACACAGTAAATGACGTTGGGTATCAAGCCCCTACGAA  
GATAACAAAAGAAGAGCTGAATGCCCTCAAGTCGGCCGGGAGGGGACCCTAGACGTTAGGTTGAAAAAG  
CTCATTGATGAACGGGAATGTCTGTTGGAACAGATTAAGAAGCTCAAAGGCGAGCTGGAGGGAAGACAGA  
AGAACAAAGCTGGACCTTCTTCGAGCCGAGGACGGTATCTTGGAGAATGGGACAGACCGCATGTCTCAT  
GGATCTGCAAAGAGATGCCAACAGACAGATCAGCGACCTCAAATTTAAACTTGCAAAATCTGAGCAAGAG  
ATAACTGCCTTAGAACAAAATGTAATAAGGTTAGAGAGCCAAGTAACGCGCTATCGATCAGCCGCCGAAA  
ATGCAGAAAAATAGAAGATGAACTAAAGGCAGAAAAACGGAAGCTCCAGAGAGAGCTTCGCTCTGCACT  
GGACAAAACAGAAGAGCTCGAGGTGAGCAACGGCCACCTCGTAAAGCGACTGGAAAAGATGAAAGCCAAC  
CGCAGCGCTCTTGTCCAGCAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221889 representing NM\_001111312  
 Red=Cloning site Green=Tags(s)

MDMGTQGSGRKRLPNRERLTAEDDALNQIAREAEARLAAKRAARAEAREIRMKELERQQKEVEERPDKDF  
 AEKGSRNMPSLSAATLASLGGTSSRRSGDTSISMDEASIREIKELNELKDQIQDVEGKYMQLKEMKD  
 SLAEVEEKYKKAMVSNALDNEKTNFMYQVDTLKDMLLEEEQLAESQRQYEEKNEFEREKHAHSILQF  
 QFAEVKEALRQREEMLEKHGIIILNSEIATNGETSDTVNDVGYQAPT KITKEELNALKSAGEGTL DVRLKK  
 LIDERECLLEQIKKLGQLEGRQKNKLLDLLRAEDGILENGTDAHVMDLQRDANRQISDLKFKLAKSEQE  
 ITALEQNVIRLESQVTRYRSAENAENAEKIEDELKAEKRKLQRELSALDKTEELEVSNHGLV KRLEKMKAN  
 RSALLSQQ

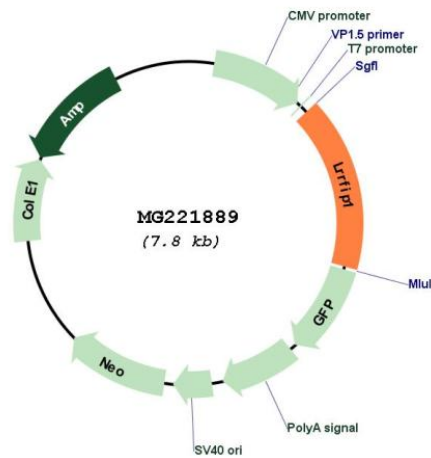
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001111312

<b>ORF Size:</b>	1284 bp
<b>OTI Disclaimer:</b>	<p>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.</p> <p>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></p>
<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_001111312.1</a> , <a href="#">NP_001104782.1</a>
<b>RefSeq Size:</b>	2107 bp
<b>RefSeq ORF:</b>	1287 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'-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 (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]