

Product datasheet for **MR221885**

Lrrfip1 (NM_008515) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrfip1 (NM_008515) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrfip1
Synonyms:	AU024550; Fliiap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221885 representing NM_008515
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCAGCCCAGAGGGCGCGCAAACAAGGAAATCGACTGTCTGAGTCCAGAGGCGCAAAGACTGGCGG
 AGGCCAGGCTCGCAGCGAAGCGTGCAGCCCGAGCCGAGGCTCGAGAGATCCGGATGAAGGAGCTGGAACG
 GCAGCAGAAAGAGATCTATCAAGTCCAGAAGAAATATTATGGGCTGGATACAAAATGGGGCGACATCGAG
 CAGTGGATGGAAGACAGCGAGCGCTACTCTCGTAGATTCCGGAGAAACACGTCCGGCTTCTGACGAAGACG
 AGCGCTTGTCCGTGGTGTAGTCCGGCAGCCTAAGGACTAACGGTTATGACGGAGACTATTGTGGATCCCA
 GTCCCTAAGTAGAAGATCTGGCAGGGGACTCTCCTGCTCAACCTTGGCCTTCCCAGCAGTGGCCTTGCT
 TCCAAACCCTGTCTACCCAGAATGGATCCCGGGCGTCCATGCTGGATGAGAGCAGCCTCTATGGGGCTC
 GAAGGGGAAGCGCTGTGGTTCGAGCACCTCAGAATATGGCAGCCACCTCAACTCCAGCTCCGGGGC
 CTCTTCTAGGGCCAGCTCTGCAAGGGCCAGTCTGTGGTGAAGAAAGACCAGACAAAGACTTTGCTGAG
 AAGGGCTCCCGTAACATGCCTAGCTGTCTGCAGCCACACTGGCATCTCTGGGTGGGACTTCTCCCGGA
 GAGGGAGTGGAGATACCTCCATCTCCATGGACACCCGAAGCATCCATCAGGGAAATCAAGGAACTTATGA
 GTTAAAGGACCAGATTCAGGATGTAGAAGGCAAATACATGCAGGGACTGAAAGAGATGAAGGACTCGCTG
 GCCGAAGTTGAGGAGAAGTACAAGAAAGCTATGGTCTCCAACGCCAGCTAGACAATGAGAAGACCAACT
 TCATGTACCAGGTGGACACACTGAAGGACATGCTGCTGGAGTGGAAAGAGCAGCTGGCCGAGTCTCAGCG
 GCAATACGAGGAGAAGAACAAGGAGTTCGAGAGGGAGAAGCATGCCACAGCATCCTGCAGTTCAGTTT
 GCCGAAGTGAAGAGGCCCTGCGGCAAAGGGAAGAGATGCTCGAGGAAATCCGACAGTGCAGCAGAAAC
 AGCGGGTTTTATCAGGGAGATTTCTGATCTTCAGGAAACGATAGAATGGAAAGACAAAAGATAGGGCG
 ATTAGAAAGACAGAAAGAGTTCTTTGATTCCATTAAGGAGCGAACGAGATGACCTTAGAGAAGAAACAGTC
 AAGCTGAAGGAGGAGTTGAAGAAACATGGAATAATCCTAAATTCAGAAATAGCCACCAACGGAGAGACTT
 CAGACACAGTAAATGACGTTGGGTATCAAGCCCTACGAAGATAACAAAAGAAAGAGCTGAATGCCCTCAA
 GTCGGCCGGGAGGGGACCCTAGACGTTAGGTTGAAAAGCTCATTGATGAACGGGAATGTCTGTTGGAA
 CAGATTAAGAAGCTCAAAGGGCAGCTGGAGGGAAGACAGAAGAACAACAAGCTGGACCTTCTCGAGCCG
 AGGACGGTATCTGGAGAATGGACAGACGCGCATGTCATGGATCTGCAAAGAGATGCCAACAGACAGAT
 CAGCGACCTCAAATTTAACTTGCAAAATCTGAGCAAGAGATAACTGCCTTAGAACAAAATGTAATAAGG
 TTAGAGAGCCAAGTAACGCGCTATCGATCAGCCCGGAAAATGCAGAAAAATAGAAGATGAACTAAAGG
 CAGAAAAACGGAAGCTCCAGAGAGAGCTTCGCTCTGCACTGGACAAAACGAAGAGCTCGAGGTGAGCAA
 CGGCCACCTCGTAAAGCGACTGGAAAAGATGAAAGCCAACCGCAGCGCTCTCTTGTCCCGACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221885 representing NM_008515
 Red=Cloning site Green=Tags(s)

MTSPEGAQNKEIDCLSPEAQRLEEARLAAKRAARAEAREIRMKELERQQKEIYQVQKKYYGLDTKWGDIE
 QWMEDSERYSRRFRNNTSASDEDERL SVGSRGSLRTNGYDGDYCGSQSLSRRSGRGLSCSNLGLPSSGLA
 SKPLSTQNGSRASMLDESSLYGARRGSACGRAPSEYGSHLNSSSRASSRASSARASPVVEERPDKDFAE
 KGSRNMPSLSAATLASLGGTSSRRGSGDTSISMDTEASIREIKELNELKDQIQDVEGKYMQLKEMKDSL
 AEVEEKYKAMVSNAQLDNEKTNFMYQVDTLKDMLLEEEQLAESQRQYEEKNKEFEREKHAHSILQFQF
 AEYKEALRQREEMLEEIRQLQKQAGFIREISDLQETIEWKDKKIGALERQKEFFDISRERDLDREETV
 KLKEELKKGHIIINSEIATNGETS DTVNDVGYQAPTKITKEELNALKSAGEGTL DVRLKLIIDERECLLE
 QIKKLGQLEGRQKNNKLDLLRAEDGILENGTDAHVMQLQRDANRQISDLKFKLAKSEQEITALEQNVIR
 LESQVTRYRSAENAENAEKIEDELKAEKRKLQRELSALDKTEELEVSNHGLVKRLEKMKANRSALLSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1910_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008515

ORF Size: 1884 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 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_008515.4](#), [NP_032541.1](#)

RefSeq Size: 2850 bp

RefSeq ORF: 1887 bp

Locus ID: 16978

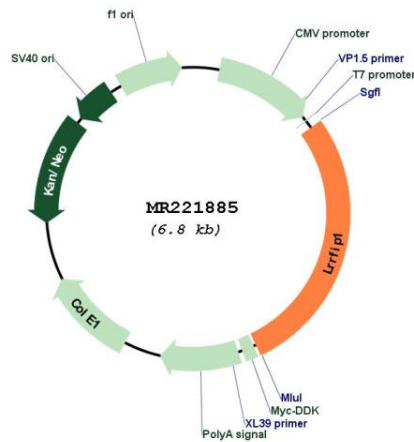
UniProt ID: [Q3UZ39](#)

Cytogenetics: 1 D

MW: 71.8 kDa

Gene Summary: 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]

Product images:



Circular map for MR221885