

## Product datasheet for **RR206048**

### Lrrfip1 (NM\_001014269) Rat Tagged ORF Clone

#### Product data:

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



[View online »](#)

**ORF Nucleotide Sequence:**

>RR206048 representing NM\_001014269  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCAGCCAGAGGGCGCAAACAAGGAAATCGACTGTCTGAGTCCAGAAGCGCAAAGACTGGCGG  
 AGGCTAGGCTTGCAGCGAAGCGTGCAGCCCGCCGAGGCTCGAGAGATCCGGATGAAGGAGCTGGAACG  
 GCAGCAGAAAGAGGTAGAAGAAAGACCGGACAAAGACTTCGCTGAGAAGGGCTCCCGTAACATGCCCAGC  
 CTGTCTGCAGCCACACTGGCATCTCTGGGCGGGACTTCCTCCCGAGAGGGAGTGAGACACCTCCATCT  
 CCATGGACACCGAGGCATCCATCAGGGAGATCAAGGACTCTCTGGCCGAAGTTGAGGAGAAATACAAGAA  
 GGCTATGGTCTCCAACGCCCAGCTAGACAACGAGAAGACCAACTTCATGTACCAGGTGGACACACTGAAG  
 GACATGCTGCTGGAGCTGGAAGAGCAGCTGGCCGAGTCTCAGAGGCAATACGAGGAGAAGAACAAGGAGT  
 TCGAGAGGGAGAAGCATGCCACAGCATCTACAGTTCCAGTTTCCGAAGTGAAAGAGGGCCCTGAGGCA  
 AAGGGAAGAAATGCTCGAAAACATGGAATAATCTAAATTCAGAAATAGCCACCAACGGAGAGACTTCG  
 GACACAGTAAATGATGTTGGGTACCAAGCGCCACGAAGATAACAAAAGAAGAGCTGAATGCCCTCAAGG  
 CAGCTGGGGAAGGGACACTAGGAAAAGCAAAAGAGTGGAGGTGAAAAGGAAATTTGGGAGAAAGTGGG  
 GCAAAGAGAAACCTTACAGGATTCTGAGCAAGAACAGCCAAACTCAACACAGGAAAGGATTGTGTGGAC  
 AGAGGGGTGTTACATCCTGGTGAAGGCTGAGAACCAAGACCCGTTGAAGACAGTGCCTGTCCCCGG  
 GACCACTAGCAGGGGCCAAGTGTGAGCAAGAGGTTGAGAGCAAGATCAAGAAAACACTTCCATCTCAA  
 AAGCCCAGAGCAGATTGAGTCACACGAGGTCACAAACAAGTCAGACAGTAGGGACAGCAACTCCCCTGAA  
 CCATCTAGCTGCCGGGGAGGTCTAGACAGTGAAGTGTGAGGGCCCACTGCCTTGGGTATCAAAAACCAA  
 GTGAAAACCTCTATGGATAGTCAGGGTAAGAAAACCAAGAAGATTTGGGAAAAGGTAGCTTGAACCACG  
 TCCAGACCACGTTTTGGGGCAAACACTGAAATTGACAAGGTGAGCTGTACAGACTCAAGGGGCACAGGT  
 GGAACCACTGGAGGATGTGGTACAGGACGGGACACCATAGTTGAGGACCAAGTAGGGACAATGGCCT  
 CTGCAGAGCAAAGCAAAGCATGGAGAATCACATTGGAAGAAGTCTGAACGATGGGCTGGGGCAGAGCTC  
 AGAGAGAGAACTCGCCATGAAGCAGCTGAGCTTGAAGGAGCCCTCACTCAGAGTTCACAGGCAGGCGGA  
 GAGAACACCGTTACTGAGGCTGAAGATGCAGCAGTAAGAGATGAGAAGCCCTCCAGGCAGACGTCCAGG  
 CAACCCCTGCAGCTCCACAGTTCAGAGCGCCATCAGGACACGACAGGGCCAGGTAGCACAGACACCAA  
 GCACACATCACCTCACGAAAAGAAGCTAACAAAGCAAAGAGCGAGCAGCAGGCAGAGGCCTTGGATTCA  
 CCCAGAGAAGACTAAGAACAAGAAGAAGAACAAGAAGAAGAAAGCTGCAGCTCCCATGGAACCT  
 GCAAAGATGCTAACGAGGAGTCAAGCTGTCAGGACCCAGATGTGGGTGATGGGGAGGAAGAAGAGCGGGT  
 CCAGGCCACCGACAAGAAATGGGCGGCAGAGACCCGAAACTGAAAGAAGATCCTCAAAGTCGGCAAGT  
 GGGAAACAGAACGACGCGGAGGAGGACAGCGGTCCAGTGAAGGTCCCACAGACGTCTTGGATCAGAACA  
 GTCTGCAGTGTGCAGACGGGGACATCTCCCAAGTAGGCAGGAAAGGTCCCAGGAGGATGCCTCTCAGAT  
 AGGTGGTGAAGAGGGACTTGTGCCCTCCCAACATCCAGGCCAGGCAGATGAGAAGGGTATTGAGGGCCAC  
 AGCGTAGACAACAGTGACCTGTGAGGGAGCTGGGGGCTTCAATTCAGAAAGTGGAGAGCAGGCAAGAG  
 AGGAGGTTGGGAACAGCAAGAGTAAAGAGGATTGCACCATGTCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATGAGTTTAA

**Protein Sequence:** >RR206048 representing NM\_001014269  
Red=Cloning site Green=Tags(s)

MTSPEGAQNKEIDCLSPEAQRLEARLAAKRAARAEAREIRMKELERQQKEVEERPKDFAEKGSRNMP  
 LSAATLASLGGTSSRRGSGDTSISMDTEASIREIKDSLAEVEEKYKAMVSNAQLDNEKTNFMYQVDTLK  
 DMLLEEEQLAESQRQYEEKNEFEREKHAHSILQFQFAEVKEALRQREMLEKHGIIINSEIATNGETS  
 DTVNDVGYQAPTKITKEELNALKAAGEGLGKAKEVEVKKEIVEKVGQRETLQDSEQE QPKLNTGKDCVD  
 RGVLHPGEKAENQRPVEDSALSPGPLAGAKCEQEVQSQDQENTSILKSPEQIESHEVTNKSDSRDSNSPE  
 PSSCRGGLDSEVSGPTALGIKNQSENSMDSQGENQEDLGKGSFEPRPDHVLGQTPEIDKVSCTDSRGTG  
 GNHLEDVVQAGDTIVEDQVGTMAAEQSKSMENHIGRSLNDGLGQSSERELAHEAAELEEALTSQSSQAGG  
 ENTVTEAEADAAVRDEKPLQADVQATPAAPTQVSGHQDTPGPGSTDTKHTSPHAKERNKAKSEQQAEALDS  
 PQKKTKNKKKKKAAAPMETCKDANEESSQDPDVGDEEEERVQATDKKAAETPELKEDPQSRPS  
 GKQNDAAEEDSGPAEGPTDVLQNSLQCADGDISPVGRKGPQRDASQIGGEEGLVPSQHPGQADEKIGIEGH  
 SVDNSDLSGELGGFNSESGEQAREEVGNSKSKEDCTMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001014269

**ORF Size:** 2214 bp

**OTI Disclaimer:** 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\\_001014269.1](#), [NP\\_001014291.1](#)

**RefSeq Size:** 3667 bp

**RefSeq ORF:** 2217 bp

**Locus ID:** 367314

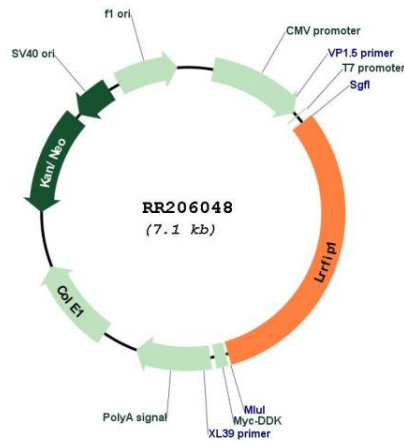
**UniProt ID:** [Q06HF9](#)

**Cytogenetics:** 9q36

**MW:** 80 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. 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 RR206048