

Product datasheet for MR206561

Lrrfip2 (NM_001164838) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Lrrfip2 (NM_001164838) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Lrrfip2 |
| Synonyms: | 5133400F20Rik; AI850587 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR206561 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGGACTCCTGGTTCTGGAAGGAAAAGAACGCCGGTAAAAGATCGATTTTCTGCAGAAGATGAAGCTT
TGAGTAACATCGCCAGAGAGGCCAGAAGCAAGGCTAGCAGCAAAGCGGGCCCGCCAGGGCAGAAGCAAGAGA
CATCCGCATGCGGGAACGGAACGACAGCAGAGAGAGGGAGTTGAGGATACATTGTCTCTTCGGAGCCTT
GGCAGTCACAGGTTGGATGAAAAATCTGACAAACAGTATGCTGAAAACACACAAGACCTTCATCTCGAA
ATTCTGCCTCGGCTACAACGCCTCTAAGTGGGCAGTCATCCAGACGGGTAGTGGGGACACCAGCAGCTT
AATAGACCCAGACACCTCACTGAGTGAAGTGGCGGAGTCTTTGTCTGAAGTAGAAGAGAAAATACAAGAAA
GCCATGGTGTCCAATGCACAACAGACAATGAGAAGAACAATCTGATCTACCAGGTGGACACCCTCAAGG
ATGTCAATTGAAGAGCAGGAGGAGCAGATGGCAGAGTTTTATAGAGAGAACGAAGAGAAGTCAAAGGAGTT
AGAAAGGCAGAAAACACATGTGCAGCGTGTGCAGCATAAGATGGATGAAGTCAAAGAAGGCCCTTCGGCAG
AGGGACGAGCTCATCGAGAAACATGGCTTAGTTAATCCAGACAGCACTCCCAATGGTGTATGCCATC
ATGAGCCTGTGGTTGGAGCCATTACTGTGTGTCTCAGGAAGCTGCTCAGGTCTTGGAGTCAGCAGGAGA
AGGGCCACTAGATGTGAGGCTACGAAAGCTTGTGGAGAAAAGGACGAGCTCTTGTACAGATTAGAAAA
CTGAAGCTCCAGTTAGAGGAAGAACGGCAGAAGTGTCCAGGAATGATGGCATGTCCGGGGACCTGGCAG
GACTGCAGAACGGCTCAGACTTGCAGTTTCATCGAGATGCAGAGAGATGCCAATAGACAAAATTAGTGAATA
CAAATTCAGCTTTTCGAAAGCAGAAACAAGACATAGCTACCTTGGAAACAAAGTATCAGCCGGCTTGAGGGG
CAGGTGCTGAGGTACAAAAGTGTGCTGAGAATGCAGAGAAAATTGAAGATGAGCTGAAAGCAGAAAAGGA
GGAAGCTACAGCGAGAGCTACGGACGGCACAGGACAAGATAGAGGAGATGGAGATGACCAACAGCCACCT
GGCTAAGCGGCTAGAGAAGATGAAAGCCAACAGGACAGCCCTTCTAGCCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206561 protein sequence
 Red=Cloning site Green=Tags(s)

MGTPGSGRKRTPVKDRFSAEDEALSNIAREAEARLAAKRAARAEARDIRMRELERQREGVEDTSLRSL
 GSHRLDEKSDKQYAENYTRPSSRNSASATTPLSGQSSRRGSGDTSSLIDPDTLSLSELRESLSEVEEKYKK
 AMVSNQLDNEKNLIYQVDTLKDVIIEEQEEQMAEFYRENEEKSKELERQKHMCSVLQHKMDELKEGLRQ
 RDELIEKHGLVIIPDSTPNGDVHHEPVVGAITAVSQEAAQVLESAGEGPLDVRLRKLAGEKDELLSQIRK
 LKLQLEEERKCSRNDGMSGDLAQLQNGSDLQFIEMQRDANRQISEYKFKLSKAEQDIATLEQSI SRLEG
 QVLRKYKTAENAIEDELKAERRKLQRELRTAQDKIEEMEMTNSHLAKRLEKMKANRTALLAQQ

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_001164838

ORF Size: 1248 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_001164838.1](#), [NP_001158310.1](#)

RefSeq Size: 3260 bp

RefSeq ORF: 1248 bp

Locus ID: 71268

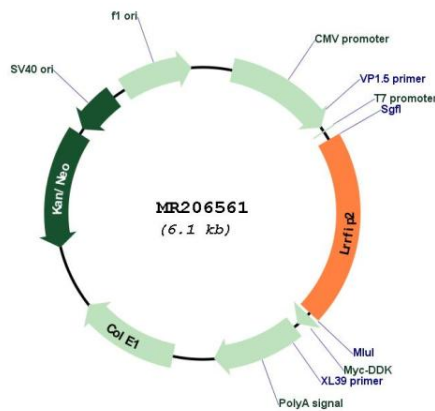
UniProt ID: [Q91WK0](#)

Cytogenetics: 9 F3

MW: 47.1 kDa

Gene Summary: May function as activator of the canonical Wnt signaling pathway, in association with DVL3, upstream of CTNNB1/beta-catenin. 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 MR206561