

Product datasheet for **MR219033**

Lrrfip2 (NM_027742) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrfip2 (NM_027742) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrfip2
Synonyms:	5133400F20Rik; AI850587
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR219033 representing NM_027742 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGACTCCTGGTTCTGGAAGGAAAAGAACGCCGTTAAAGATCGATTTTCTGCAGAAGATGAAGCTT
TGAGTAACATCGCCAGAGAGGCAGAAGCAAGGCTAGCAGCAAAGCGGGCCCGCCAGGCAGAAAGCAAGAGA
CATCCGCATGCGGGAACCTGGAACGACAGCAGAGAGAGTTGGATGAAAAATCTGACAAACAGTATGCTGAA
AACTACACAAGACCTTCACTCGAAATTCGCCTCGGCTACAACGCCTCTAAGTGGGAACCTATCCAGAC
GGGGTAGTGGGGACACCAGCAGCTTAATAGACCCAGACACCTCACTGAGTGAAGTGCAGGAGTCTTTGTC
TGAAGTAGAAGAGAAATACAAGAAAGCCATGGTGTCCAATGCACAACCTAGACAATGAGAAGAAACATCTG
ATCTACCAGGTGGACACCCTCAAGGATGTCATTGAAGAGCAGGAGGAGCAGATGGCAGAGTTTTATAGAG
AGAACGAAGAGAAGTCAAAGGAGTTAGAAAGGCAGAAACACATGTGCAGCGTGTGCAGCATAAGATGGA
TGAAGTCAAAGAAGGCCCTCGGCAGAGGGACGAGCTCATCGAGAAACATGGCTTAGTTATAATCCCAGAC
AGCACTCCCAATGGTGTATGTCATCATGAGCCTGTGGTTGGAGCCATTACTGCTGTGTCTCAGGAAGCTG
CTCAGGCTTGGAGTCAGCAGGAGAAGGGCCACTAGATGTGAGGCTACGAAAGCTTGCTGGAGAAAAGGA
CGAGCTCTGTACAGATTAGAAAAGTGAAGCTCCAGTTAGAGGAAGAACGGCAGAAAGTGTCCAGGAAT
GATGGCATGTCCGGGACCTGGCAGGACTGCAGAACGGCTCAGACTTGCGAGTTTCATCGAGATGCAGAGAG
ATGCCAATAGACAAATTAGTGAATACAAATTAAGCTTTTCAAAGCAGAAACAAGACATAGCTACCTTGGAA
ACAAAGTATCAGCCGGCTTGAGGGCAGGTGCTGAGGTACAAAAGTCTGCTGAGAAATGCAGAGAAAATT
GAAGATGAGCTGAAAGCAGAAAGGAGGAAGCTACAGCGAGAGCTACGGACGGCACAGGACAAGATAGAGG
AGATGGAGATGACCAACAGCCACCTGGCTAAGCGGCTAGAGAAGTGAAGCCAACAGGACAGCCCTTCT
AGCCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR219033 representing NM_027742
 Red=Cloning site Green=Tags(s)

MGTPGSGRKRTPVKDRFSAEDEALSNIAREAEARLAAKRAARAEARDIRMRELERQQRELDEKSDKQYAE
 NYTRPSSRNSASATTPLSGNSSRRGSGDSSLIDPDTSLSELRESLSEVEEKYKAMVSNALDNEKNL
 IYQVDTLKDVIIEEQEEMAIFYRENEEKSKELERQKHMCSVLQHKMDELKEGLRQRDELIEKHGLVIIPD
 STPNGDVHHEPVVGAITAVSQEAAQVLESAGEPLDVRRLRKLAGEKDELLSQIRKLLQLEEERQKCSRN
 DGMSGDLAQLQNGSDLQFIEMQRDANRQISEYKFKLSKAEQDIATLEQSI SRLEGQVLRKYKTAENAENKI
 EDELKAERRKLQRELRTAQDKIEEMEMTNSHLAKRLEKMKANRTALLAQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

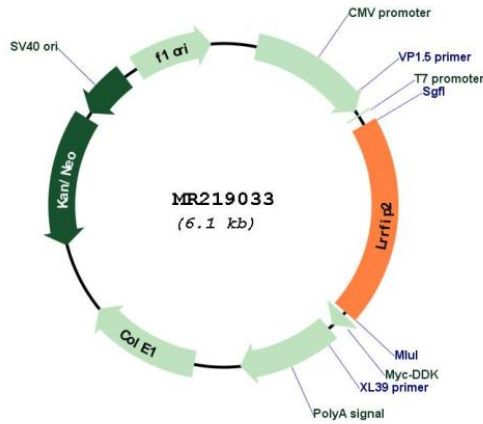
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027742

ORF Size:	1200 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:	<ol style="list-style-type: none">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_027742.3 , NP_082018.1
RefSeq Size:	3215 bp
RefSeq ORF:	1203 bp
Locus ID:	71268
UniProt ID:	Q91WK0
Cytogenetics:	9 F3
MW:	46 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]