

Product datasheet for **MG206561**

Lrrfip2 (BC014761) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrfip2 (BC014761) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrfip2
Synonyms:	5133400F20Rik; AI850587
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206561 representing BC014761 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACTCCTGGTTCTGGAAGGAAAAGAACGCCGGTAAAAGATCGATTTTCTGCAGAAGATGAAGCTT
TGAGTAACATCGCCAGAGAGGCCAGAAGCAAGGCTAGCAGCAAAGCGGGCCCGCCAGGGCAGAAGCAAGAGA
CATCCGCATGCGGGAACGGAACGACAGCAGAGAGAGGGAGTTGAGGATACATTGTCTCTCGGAGCCTT
GGCAGTCACAGGTTGGATGAAAAATCTGACAAACAGTATGCTGAAAACACACAAGACCTTCATCTCGAA
ATTCTGCCTCGGCTACAACGCCTCTAAGTGGGCAGTCATCCAGACGGGTAGTGGGGACACCAGCAGCTT
AATAGACCCAGACACCTCACTGAGTGAAGTGGCGGAGTCTTTGTCTGAAGTAGAAGAGAAAATACAAGAAA
GCCATGGTGTCCAATGCACAACAGACAATGAGAAGAACAATCTGATCTACCAGGTGGACACCCTCAAGG
ATGTCAATTGAAGAGCAGGAGGAGCAGATGGCAGAGTTTTATAGAGAGAACGAAGAGAAGTCAAAGGAGTT
AGAAAGGCAGAAAACATGTGCAGCGTGTGCAGCATAAGATGGATGAAGTCAAAGAAGGCCCTTCGGCAG
AGGGACGAGCTCATCGAGAAACATGGCTTAGTTAATCCAGACAGCACTCCCAATGGTGTATGCCATC
ATGAGCCTGTGGTTGGAGCCATTACTGCTGTGTCTCAGGAAGCTGCTCAGGTCTTGGAGTCAGCAGGAGA
AGGGCCACTAGATGTGAGGCTACGAAAGCTTGTGGAGAAAAGGACGAGCTCTTGTACAGATTAGAAAA
CTGAAGCTCCAGTTAGAGGAAGAACGGCAGAAGTGTCCAGGAATGATGGCATGTCCGGGACCTGGCAG
GACTGCAGAACGGCTCAGACTTGCAATTCATCGAGATGCAGAGAGATGCCAATAGACAAAATTAGTGAATA
CAAATTCAGCTTTTCGAAAGCAGAAACAAGACATAGCTACCTTGGAAACAAAGTATCAGCCGGCTTGAGGGG
CAGGTGCTGAGGTACAAAAGTGTGCTGAGAATGCAGAGAAAATTGAAGATGAGCTGAAAGCAGAAAAGGA
GGAAGCTACAGCGAGAGCTACGGACGGCACAGGACAAGATAGAGGAGATGGAGATGACCAACAGCCACCT
GGCTAAGCGGCTAGAGAAGATGAAAGCCAACAGGACAGCCCTTCTAGCCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206561 representing BC014761
 Red=Cloning site Green=Tags(s)

MGTPGSGRKRTPVKDRFSAEDEALSNIAREAEARLAAKRAARAEARDIRMRELERQQREGVEDTSLRSL
 GSHRLDEKSDKQYAENYTRPSSRNSASATTPLSGQSSRRSGDSSLIDPDTLSLSELRESLSEVEEKYKK
 AMVSNAQLDNEKNLIYQVDTLKDVIIEEQEEQMAEFYRENEEKSKELERQKHMCSVLQHKMDELKEGLRQ
 RDELIEKHGLVIIPDSTPNGDVHHEPVVGAITAVSQEAAQVLESAGEPLDVRLRKLAGEKDELLSQIRK
 LKLQLEEERQKCSRNDGMSGDLAGLQNGSDLQFIEMQRDANRQISEYKFKLSKAEQDIATLEQSI SRLEG
 QVLRKYKTAENAIEDELKAERRKLQRELRTAQDKIEEMEMTNSHLAKRLEKMKANRTALLAQQ

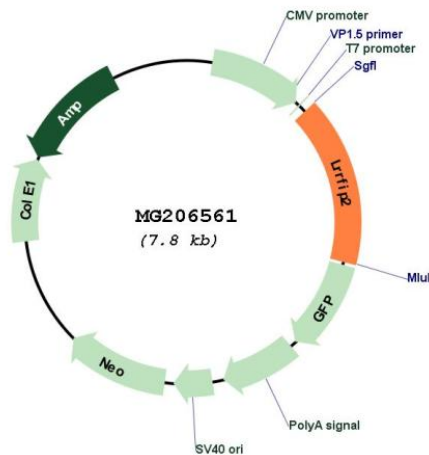
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC014761

ORF Size:	1247 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:	BC014761 , AAH14761
RefSeq Size:	1527 bp
RefSeq ORF:	1247 bp
Locus ID:	71268
Cytogenetics:	9 F3
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]