

Product datasheet for **RG225687**

LRRFIP2 (NM_001134369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP2 (NM_001134369) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRFIP2
Synonyms:	HUFI-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225687 representing NM_001134369 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACTCCTGCTTCTGGAAGGAAAAGAACACCTGTGAAAGACCGATTTCTGCAGAAGATGAAGCTT
TGAGTAACATTGCCAGAGAGGCCAGAGGCAAGGCTGGCAGCAAACGGGCTGCCCGGCAGAAAGCAAGAGA
TATACGCATGAGAGAAGTGAACGACAACAAAAGAGTTGGATGAAAAATCTGACAAACAGTATGCTGAA
AATTATACAAGACCTTCATCTCGAAATTCGCCTCAGCAACAACCCCTCTAAGTGGAACTCATCCAGAC
GAGGAAGTGGGGACACCAGCAGCTTAATAGATCCAGACACTTCATTAAGTGAATTGCGGGATATCTATGA
CCTTAAGGACCAGATACAGGATGTAGAAGGAGATACATGCAGGGGCTTAAAGAACTAAAGGAATCTTTG
TCTGAAGTGAAGAAAAATACAAGAAAGCCATGGTTTCCAATGCGCAGTTAGACAATGAGAAGAACAATT
TGATCTACCAAGTAGACACACTCAAGGATGTTATTGAAGAGCAGGAGGAACAGATGGCAGAAATTTATAG
AGAAAAAGAAAGAAATCAAAGGAGTTAGAAAGGCAGAAACATATGTGTAGTGTGCTGCAGCATAAGATG
GAAGAAGTAAAGAAAGCCTGCGGCAAAGAGATGAGCTTATTGAGAAACATGGCTTAGTTATAATCCCCG
ATGGCACTCCCAATGGTGTGTCAGTCAATGAACAGTGGCTGGAGCCATCACTGTTGTGTCTCAGGAAGC
TGCTCAGGCTTTGGAGTCAGCAGGAGAAGGGCCATTAGATGTAAGGCTACGAAAACCTGCTGGAGAGAAG
GAAGAAGTACTGTCACAGATTAGAAAACCTGAAGCTTCAGTTAGAGGAGGAACGACAGAAATGCTCCAGGA
ATGATGGCAGTGGGTGACCTGGCAGGACTGCAGAAATGGCTCAGACTTGCAGTTTCATCGAAATGCAGAG
AGATGCCAATAGACAAATTAGCGAATACAAATTTAAGCTTTCAAAGCAGAACAGGATATAACTACCTTG
GAGCAAAGTATTAGCCGCTTGAGGGACAGGTTCTGAGATATAAACTGCTGCTGAGAATGCTGAGAAAAG
TTGAAGATGAATTGAAAGCAGAAAAACGGAAGCTACAACGAGAGTTACGAACAGCACTGGACAAGATTGA
GGAGATGGAGATGACCAACAGCCACCTGGCCAAGCGGCTGGAGAAGATGAAGGCCAATAGGACAGCACTT
CTGGCCACAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225687 representing NM_001134369
 Red=Cloning site Green=Tags(s)

MGTPASGRKRTPVKDRFSAEDEALSNIAREAEARLAAKRAARAEARDIRMRELERQKELDEKSDKQYAE
 NYTRPSSRNSASATTPLSGNSSRRGSGDTSSLIDPDTLSSELRDIYDLKDQIQDVEGRYMQGLKELKESL
 SEVEEKYKKAMVSNALDNEKNLIYQVDLTKDVIIEEQEEQMAEFYRENEEKSKELERQKHMCSVLQHKM
 EELKEGLRQRDELIEKHGLVIIIPDGTPNGDVSHEPVAGAITVVSQEAQVLESAGEGPLDVRLRKLAGEK
 EELLSQLRKLKLQLEEEERQKCSRNDGTVGDLAGLQNGSDLQFIEMQRDANRQISEYKFKLSKAEQDITTL
 EQSISRLEGVLRKYTAENAEEKVEDELKAEKRKLQRELRTALDKIEEMEMTNSHLAKRLEKMKANRTAL
 LAQQ

TRTRPLE - GFP Tag - V

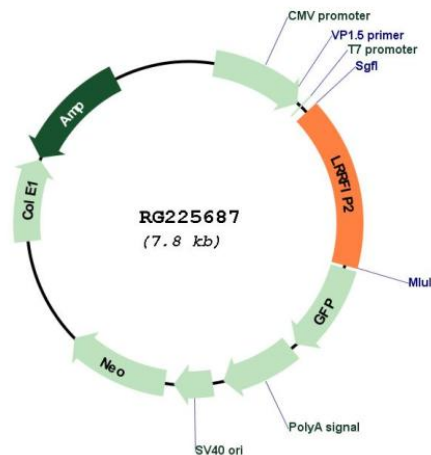
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001134369

ORF Size:	1272 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_001134369.1 , NP_001127841.1
RefSeq Size:	2935 bp
RefSeq ORF:	1275 bp
Locus ID:	9209
UniProt ID:	Q9Y608
Cytogenetics:	3p22.2
Gene Summary:	The protein encoded by this gene, along with MYD88, binds to the cytosolic tail of toll-like receptor 4 (TLR4), which results in activation of nuclear factor kappa B signaling. The ubiquitin-like protein FAT10 prevents the interaction of the encoded protein and TLR4, thereby inactivating the nuclear factor kappa B signaling pathway. In addition, this protein can downregulate the NLRP3 inflammasome by recruiting the caspase-1 inhibitor Flightless-I to the inflammasome complex. [provided by RefSeq, Jan 2017]