

Product datasheet for **RG238595**

LRRFIP2 (NM_001282691) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP2 (NM_001282691) 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)



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ORF Nucleotide Sequence:

>RG238595 representing NM_001282691.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGACTCCTGCTTCTGGAAGGAAAAGAACACCTGTGAAAGACCGATTTTCTGCAGAAGATGAAGCT
TTGAGTAACATTGCCAGAGAGGCAGAGCAAGGCTGGCAGCAAAACGGGCTGCCCGGCAGAAGCAAGA
GATATACGCATGAGAGAAGCTGGAACGACAACAAAAAGAGGAAGATTTCGAAAGGGCCAGGTATTCCAC
CGGTCCAGTCACCATCGTCCTTATCTGGGAGTTGAGGATGCATTGTCCATTCTGAAGTGTGGCAGTCAC
AGGAATCATTCTTACAGTCACTCTCATGGAATGAAGAAGAGGCTTCTGATTCTCATAAAGACCTACTG
GCATCATTGTACAATGGTGGATTATATAACCTTATGGTCCTCGAACTTTGGATGAAAAAATCTGACAAA
CAGTATGCTGAAAATTATAACAAGACCTTCACTCGAAATCTGCCTCAGCAACAACCCCTCTAAGTGGA
AACTCATCCAGACGAGGAAGTGGGGACACCAGCAGCTTAATAGATCCAGACACTTCATTAAGTGAATTG
CGGAATCTTTGTCTGAAGTGAAGAAAAATACAAGAAAGCCATGGTTTCCAATGCACAGTTAGACAAT
GAGAAGAACAATTTGATCTACCAAGTAGACACACTCAAGGATGTTATTGAAGAGCAGGAGGAACAGATG
GCAGAATTTTATAGAGAAAATGAAGAAAAATCAAAGGAGTTAGAAAGGCAGAAACATATGTGTAGTGTG
CTGCAGCATAAGATGGAAGAAGCTTAAAGAAGGCCTGCGGCAAAGAGATGAGCTTATTGAGGAGAAGCAG
CGCATGCAGCAGAAAATAGACACCATGACAAAAGAGGTGTTTGACCTCCAGGAGACACTTCTTTGGAAA
GATAAAAAAATTGGGAAACATGGCTTAGTTATAATCCCGATGGCACTCCCAATGGTGATGTCAGTCAT
GAACCAAGTGGCTGGAGCCATCACTGTTGTGCTCAGGAAGCTGCTCAGGCTTGGAGTCAGCAGGAGAA
GGGCCATTAGATGTAAGGCTACGAAAACCTGCTGGAGAGAAGGAAGAAGTACTGTACAGATTAGAAAA
CTGAAGCTTCAGTTAGAGGAGGAACGACAGAAAATGCTCCAGGAATGATGGCACAGTGGGTGACCTGGCA
GGACTGCAGAATGGCTCAGACTTCAGTTCATCGAAATGCAGAGAGATGCCAATAGACAAAATAGCGAA
TACAAATTTAAGCTTTCAAAGCAGAACAGGATATAACTACCTTGAGCAAGTATTAGCCGGCTTGAG
GGACAGGTTCTGAGATATAAAACTGCTGCTGAGAAATGCTGAGAAAGTTGAAGATGAATTGAAAGCAGAA
AAACGGAAGCTACAACGAGAGTTACGAACAGCACTGGACAAGATTGAGGAGATGGAGATGACCAACAGC
CACCTGGCCAAGCGGCTGGAGAAGATGAAGGCCAATAGGACAGCACTTCTGGCCAGCAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238595
 Blue=ORF Red=Cloning site Green=Tag(s)

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MGTPASGRKRTPVKDRFSAEDEALSNIAEAEARLAAKRAARAEARDIRMRELERQQKEEDSERARYSH
RSSHHRPYLGVEDALSIRSVGSHRNHSYSHSHGMKKRSDSHKDLLASLYNGGLYNPYGPRTLDEKSDK
QYAENYTRPSSRNASATTPLSGNSSRRGSGDTSSLIDPDTSLSELRESLSEVEEKYKKAMVSNAQLDN
EKNNLIIYQVDTLKDVIIEEQEEMAEFYRENEEKSKELERQKHMCSVLQHKMEELKEGLRQRDELIEEKQ
RMQQKIDTMTKEVFDLQETLLWKDKKIGKHLVIIPDGTGPNVDVSHPEVAGAITVVSQEAQVLESAGE
GPLDVRLRKLAGEKEELLQIRKLLQLEERQKCSRNDGTVGDLAGLQNGSDLQFIEMQRDANRQISE
YKFKLSKAEQDITTLQSI SRLQVLRKYKTAENAEEKVEDELKAEKRKLQRELRTALDKIEEMEMTNS
HLAKRLEKMKANRTALLAQQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDVSHMHFKSAIHPSILQNGGPMFA
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```

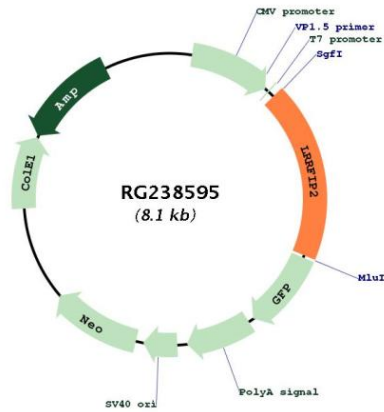
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


- ACCN:** NM_001282691
- ORF Size:** 1509 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).
- RefSeq:** [NM_001282691.1](#), [NP_001269620.1](#)
- RefSeq Size:** 2924 bp
- RefSeq ORF:** 1512 bp
- Locus ID:** 9209
- UniProt ID:** [Q9Y608](#)
- Cytogenetics:** 3p22.2
- MW:** 57.8 kDa
- 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-1 to the inflammasome complex. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG238595