

Product datasheet for **SC324028**

LRRFIP2 (NM_017724) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | LRRFIP2 (NM_017724) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | LRRFIP2 |
| Synonyms: | HUFI-2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_017724.1
 GGCCGCTCAGGCTGCGGCTCCTCCCGGGCCGGTCCCGCTGTCTCAGCCGCGGCGCAGA
 GGGCACATCGGCCTGACCGACTAGCCGGCTGCCAGTGCCGGGAGCCGCCGCTCCATCCC
 CGCCCCCTGGCCGGGGACCCAGGACTGAGTCGTCCAGCTGCGCCCTCGCCATAGCCC
 CAGCGGTGCGCGGGCGGCGAGCAGCTCTTCGGCCCTCCCGGACAGCGACGCAGTCGCA
 GCGCGCCCTAACACAGATGTGGGAAGATAAATGAAGGGTCTAGATGTAATGTCACT
 GGAAAGGAGACTACCATCACTAAGGGCTGAAAACACAGTTAAATCACTTCAAAGTTAA
 AAGACTATTAAGAACACAAGATGGGGACTCCTGCTTCTGGAAGGAAAAGAACACCTGTGA
 AAGACCGATTTTCTGCAGAAGATGAAGCTTTGAGTAACATTGCCAGAGAGCAGAGGCAA
 GGCTGGCAGCAAAAACGGGCTGCCCGGGCAGAAGCAAGAGATATACGCATGAGAGAAGTGG
 AACGACAACAAAAAGAGTTGGATGAAAAATCTGACAAACAGTATGCTGAAAATTATACAA
 GACCTTCATCTCGAAATCTGCCTCAGCAACAACCCCTCTAAGTGGAACTCATCCAGAC
 GAGGAAGTGGGGACACCAGCAGCTTAATAGATCCAGACACTTCATTAAGTGAATTGCGGG
 AATCTTTGTCTGAAGTGAAGAAAAATACAAGAAAGCCATGGTTTCCAATGCACAGTTAG
 ACAATGAGAAGAACAATTTGATCTACCAAGTAGACACACTCAAGGATGTTATTGAAGAGC
 AGGAGGAACAGATGGCAGAATTTATAGAGAAAATGAAGAAAAATCAAAGGAGTTAGAAA
 GGCAGAAAACATATGTGTAGTGTGCTGCAGCATAAGATGGAAGAACTTAAAGAAAGGCTGC
 GGCAAAGAGATGAGCTTATTGAGAAACATGGCTTAGTTATAATCCCCGATGGCACTCCCA
 ATGGTGATGTCAGTCATGAACAGTGGCTGGAGCCATCACTGTTGTGCTCAGGAAGCTG
 CTCAGGCTTTGGAGTCAGCAGGAGAAGGGCCATTAGATGTAAGGCTACGAAAAGTGGCTG
 GAGAGAAGGAAGAACTACTGTCACAGATTAGAAAAGTGAAGCTTCAAGTTAGAGGAGGAAC
 GACAGAAATGCTCCAGGAATGATGGCACAGTGGGTGACCTGGCAGGACTGCAGAATGGCT
 CAGACTTGCAAGTTCATCGAAATGCAGAGAGATGCCAATAGACAAATAGCGAATACAAAT
 TTAAGCTTTCAAAGCAGAACAGGATATAACTACCTTGGAGCAAAGTATTAGCCGGCTTG
 AGGGACAGGTTCTGAGATATAAACTGCTGCTGAGAATGCTGAGAAAGTTGAAGATGAAT
 TGAAAGCAGAAAAACGGAAGCTACAACGAGAGTTACGAACAGCACTGGACAAGATTGAGG
 AGATGGAGATGACCAACAGCCACCTGGCCAAGCGGCTGGAGAAGATGAAGGCAATAGGA
 CAGCACTTCTGGCCAGCAGTAGGAAAACACCCTTCAACCTGGGTGATGCTCCTTGGGG
 CCCTACCTAGAGGACTGACTTTTGTCCATTGACACAAACCCCTTTTAGTACTGTTTTGA
 GTTTTGTCATTAACAGCCACCTTTGTATTTAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_017724

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_017724.1](#), [NP_060194.1](#)

RefSeq Size: 2175 bp

RefSeq ORF: 1203 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]

Transcript Variant: This variant (2) has a longer 5' UTR, and has multiple differences in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (l, also known as 2) is shorter, compared to isoform a.