

Product datasheet for SC114004

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114004 sequence for NM_017724 edited (data generated by NextGen Sequencing)

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ATGGGGACTCCTGCTTCTGGAAGGAAAAGAACACCTGTGAAAGACCGATTTTCTGCAGAA
GATGAAGCTTTGAGTAACATTGCCAGAGAGGCAGAGGCAAGGCTGGCAGCAAAAACGGCT
GCCCGGGCAGAAGCAAGAGATATACGCATGAGAGAAGTGAACGCAACAAAAAGAGTTG
GATGAAAAATCTGACAAACAGTATGCTGAAAATTATACAAGACCTTCATCTCGAAATTCT
GCCTCAGCAACAACCCCTCTAAGTGGAAACTCATCCAGACGAGGAAGTGGGGACACCAGC
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GAAAAATACAAGAAAGCCATGGTTTCCAATGCACAGTTAGACAATGAGAAGAACAATTTG
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TTTTATAGAGAAAATGAAGAAAATCAAAGGAGTTAGAAAGGCAGAAACATATGTGTAGT
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GAGAAACATGGCTTAGTTATAATCCCCGATGGCACTCCCAATGGTGATGTCAGTCATGAA
CCAGTGGCTGGAGCCATCACTGTTGTGTCTCAGGAAGCTGCTCAGGTCTTGGAGTCAGCA
GGAGAAGGGCCATTAGATGTAAGGCTACGAAAACCTTGCTGGAGAGAAGGAAGAACTACTG
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GATGGCACAGTGGGTGACCTGGCAGGACTGCAGAATGGCTCAGACTTGCAGTTTCATCGAA
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CAGGATATAACTACCTTGGAGCAAAGTATTAGCCGGCTTGAGGGACAGGTTCTGAGATAT
AAAAGTCTGCTGAGAATGCTGAGAAAAGTTGAAGATGAATTGAAAGTAGAAAAACGGAAG
CTACAACGAGAGTTACGAACAGCACTGGACAAGATTGAGGAGATGGAGATGACCAACAGC
CACCTGGCCAAGCGGCTGGAGAAGATGAAGGCAATAGGACAGCACTTCTGGCCAGCAG
TAG

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Clone variation with respect to NM_017724.2
1067 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017724 unedited</p> <pre> TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCAGGCTGCGGC TCCTCCCGGGGCCGGTCCCGCTGTCTCAGCCGCGGCGCAGAGGGCACATCGGCCTGACC GACTAGCCGGCTGCCAGTGCCGGGAGCCGCGCTCCATCCCCGCCCGCTGGCCGGGA CCCAGGACTGAGTCGTCAGCTGCGCCCTCGCCATAGCCCCAGCGGGCGCCGGGGG CGAGCAGCTCTTCGGCCCTCCCGGACAGCGACGAGTCGAGCGCGCCCTAACACAG ATGTGGGAAGATAAATGAAGGGTCTAGATGTAATGTCAGTGGAAAGGAGAGCTACCAT CACTAAGGGCTGAAAACACAGTTAAATCACTTTCAAAGTTAAAAGACTATTAAGAACACA AGATGGGACTCCTGCTTCTGGAAGGAAAAGAACCTGTGAAAGACCGATTTTCTGCAG AAGATGAAGCTTTGAGTAACATTGCCAGAGAGGCAGAGGCAAGGCTGGCAGCAAAACGGG CTGCCCGGCAGAAAGCAAGATATACGCATGAGAGAAGTGAACGACAACAAAAAGAGT TGGATGAAAAATCTGACAAACAGTATGCTGAAAATTATACAAGACCTTCATCTCGAAATT CTGCCTCAGCAACAACCCCTCTAAGTGGAACTCATCCAGACGAGGAAGTGGGGACCA GCAGCTTAATAGATCCAGACACTTCATTAAGTGAATTGCGGGAATCTTTGTCTGAAGTGG AAGAAAAACAAGAAAGCCCTGGTTTCCAATGCACAGTTAGACATGGAGAGACCATTGGA TCTCCAAGTANACCACTCAAGATGTTATTGAAGAGCAGGAGGCACAGATGCCANATTTTT TTGAGAAATGAGCAAAATCAAGGAGTTGGAAGGCG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017724 unedited</p> <pre> TATGTACCGCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTGTGGTTGGCAA AAGGTGTATTTAATAGAATCTGCAGGCAGATTTCCAATCTGCCTGCCCTGCCCTACCCCT CCCCTTTGGGTTTGTGTTGAAGTTTCATTCCACAAATAAGCAGCAGATAAAATACTTTACA AGGTACAGCACAGTTGTATTGAAGAAAAAAGACCCAACCTTACTTTAAGAGTATTAAG CCTGGACTTCCCCTGCCCATGCAATAAAGCAAGTTTTATATACTCCCATATTTTTT TCTAACATTTTCTATATAAATTTAAATTTTTACAAAAAAGGCTTTTTTCTCCTCAAAC ATATAATCTGAGTGAACATAGATTCCCACCCGAGAAGTGTCTTCTCACTAAATAT AAATGTTGTCTGATATTAAGGTAAATGTCTTTTGACCACTGGAGATCACTGAAGTCTGA ATTGCACCGTGGGAAAGCACTTGTGTTTTCTGAGGTCTCCAGCAAGTATCTCAGTGAGC ACTCATAGAATTGCTGTCTGTCTCCAGAACCCGTGCCAAGGCCTCCGAGTGCCAGTTA CTGAAGCAGCTGGGAAAAACGTTGAGTAAACATGATTCTACAATTACGGAGATAAAAA TAAAAACAGCATGGACTGTTTCTACCCTAGAATCAAACAACAAAAATCCAAAGTGTTC ATTCATGTAGATTCAAAAATGACTTCACTTCTGTCATAAATATAAAATACAAAAGTGCTGT TTTATGACAAAACCTAAACAGTACTAAAAAGGTTTTGTGCAATGGACAAAAGTCAGTCC CTCTATGTAAGCCCAATGAGCATCACCCAGGTTGAAAGGTAGGGTTTCTATGCTTGGG CCCAAATGCCTGCCTTATGGGCTTAATCTCTTCCACCGCTTGGCCAGAGGGTTGATGGCA TTTCCATTTCTCAACTGTCCAGGCTGTGAAACTTTGTGAACTTCGTTTTTTA </pre>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_017724
Insert Size:	2910 bp
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).
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.