

## Product datasheet for **SC325910**

### LRRFIP2 (NM\_001134369) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP2 (NM_001134369) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRFIP2
Synonyms:	HUFI-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325910 representing NM_001134369. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGACTCCTGCTTCTGGAAGGAAAAGAACCTGTGAAAGACCGATTTTCTGCAGAAGATGAAGCT
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GATATACGCATGAGAGAACTGGAACGACAACAAAAGAGTTGGATGAAAAATCTGACAAACAGTATGCT
GAAAATTATAACAAGACCTTCATCTCGAAATTCGCCTCAGCAACAACCCCTTAAGTGGAAACTCATCC
AGACGAGGAAGTGGGACACCAGCAGCTTAATAGATCCAGACACTTCATTAAGTGAATTGCGGGATATC
TATGACCTTAAGGACCAGATACAGGATGTAGAAGGGAGATACATGCAGGGGCTTAAAGAATAAAGGAA
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GAGAATGCTGAGAAAAGTTGAAGATGAATTGAAAGCAGAAAAACGGAAGCTACAACGAGAGTTACGAACA
GCACTGGACAAGATTGAGGAGATGGAGATGACCAACAGCCACCTGGCCAAGCGGCTGGAGAAGATGAAG
GCCAATAGGACAGCACTTCTGGCCAGCAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001134369
<b>Insert Size:</b>	1275 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001134369.2</a>
<b>RefSeq Size:</b>	2935 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	9209
<b>UniProt ID:</b>	<a href="#">Q9Y608</a>
<b>Cytogenetics:</b>	3p22.2
<b>MW:</b>	48.3 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) 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 (k, also known as 3) is shorter, compared to isoform a.</p>