

Product datasheet for **SC325317**

LRRFIP1 (NM_001137553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP1 (NM_001137553) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRFIP1
Synonyms:	FLAP-1; FLAP1; FLIAP1; GCF-2; GCF2; HUF1-1; TRIP
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001137553, the custom clone sequence may differ by one or more nucleotides

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ATGACCAGCCCCGCGGCCGCTCAAAGCCGGGAGATCGACTGTTTGAGCCCCGAAGCGCAG
AAGCTGGCGGAAGCCCGGCTCGCTGCAAAACGGGCGGCCCGCGCGGAGGCTCGCGAGATC
CGCATGAAGGAGCTGGAGCGGCAGCAGAAGGAGGTAGAAGAGAGACCAGAAAAAGATTTT
ACTGAGAAGGGGTCTCGTAACATGCCGGCCTGTCTGCAGCCACGCTGGCCTCTCTGGGT
GGGACTTCTCTCGGAGAGGCAGCGGAGACACCTCCATCTCCATCGACACCGAGGCATCC
ATCAGGGAAATCAAGGACTCTCTAGCAGAAGTTGAAGAGAAATATAAGAAGGCTATGGTT
TCCAATGCTCAGCTAGACAATGAAAAGCAAACCTTCATGTACCAGTTGATACCCATAAAA
GATATGTTGCTGGAGCTTGAAGAACAGCTGGCTGAATCTAGGCGGCAGTACGAAGAGAAA
AACAAAGAATTTGAAAGGGAAAAACACGCCACAGTATACTGCAATTTTCAGTTTGCTGAA
GTCAAGGAGGCCCTGAAGCAAAGAGAGGAAATGCTCGAGAAACATGGAATAATCCTAAAT
TCAGAAATAGCTACCAATGGAGAGACTTCGACACCCCTCAATAATGTTGGATACCAAGGT
CCTACCAAGATGACAAAAGAAGAGTTAAATGCCCTCAAGTCGACAGGGGATGGGACCCTA
GGAAGAGCCAGTGAAGTGGAGGTAAAAATGAAATCGTGGCGAATGTGGGGAAAAGAGAA
ATCTTGACAATACTGAGAAAGAACAACACAGAGGACACAGTGAAGGACTGTGTGGAC
ATAGAGGTATTCCCTGCTGGTGAGAATACCGAGGACCAGAAATCCTCTGAAGACTGCC
CCATTCTAGGAACCTTAGCAGGTGCTACCTATGAGGAACAGGTTCAAAGCCAAATCTT
GAGAGCAGTTCTCTCCCTGAAAACACAGTACAGGTTGAGTCAAATGAGGTCATGGGTGCA
CCAGATGACAGGACCAGAACTCCCTTGAGCCATCCAAGTGTGGAGTGACTTAGATGGT
GGGAACCACACAGAGAATGTGGGAGAGGCAGCAGTGACTCAGGTTGAAGAGCAGGCAGGC
ACAGTGGCCTCGTGTCTTTAGGGCATAGTGATGACACAGTTTATCATGATGACAAATGT
ATGGTAGAGTCCCCAAGAGTTAGAGACAAGCACAGGGCATAGTTTAGAGAAAAGAAATTC
ACCAACCAGGAAGCAGCTGAGCCCAAGGAGGTTCCAGCGCACAGTACAGAAGTAGGTAGG
GATCACAACGAAGAAGAGGGTGAAGAAACAGGATTAAGGGACGAGAAACCAATCAAGACA
GAAGTTCTGGTCTCCAGCAGGAACTGAGGGCAACTGTCAGGAAGCGACAGGTCCAAGT
ACAGTAGACTCAAAATGAACCCTTAGATATGAAAGAGCCCGATGAAGAAAAGAGTGAC
CAACAGGGAGAGGCATTGGACTCATCGCAGAAGAAGACAAGAACAAGAAAAAGAAAAAC
AAGAAGAAAAATCCCCAGTACCCGTAGAAACCCTTAAAGATGTTAAAAAAGAGTTAACG
TATCAGAACACAGATTTAAGTGAATTAAGGAAGAAGAGCAGGTAAGTCTACTGACAGA
AAGTCAGCAGTGAAGCCAAAACGAGGTGACTGAAAATCAAAACAGAAAATTGCAGCA
GAAAGCAGTGAATGTTGATTGTCGGAGAATCCTAAAATTAAGTTGGATGGAAAACCTT
GACCAAGAAGGTGATGATGTACAAAACAGCAGCTGAGGAGGTACTAGCTGATGGAGACACA
TTAGATTTTGAGGATGACACCGTTCAATCATCAGGCCCGAGGGCTGGTGGTGAAGAATTA
GATGAAGGTGTTGAAAAGATAATGCTAAAATAGATGGTGCCACTCAAAGCAGTCCCTGCA
GAACCAAAGAGCGAAGACGCAGATCGTGCACCCTGCCGAACATGAAAGTCCCTCACAG
GACATTAGTGATGCCTGTGAAGCAGAAAGTACAGAGAGGTGTGAGATGTCAGAACATCCA
AGTCAGACCCTCAGGAAAGCTTTAGACAGCAATAGCCTAGAGAACGATGACTTGTGGCA
CCAGGAAGAGAGCCAGGGCACTTCAATCCAGAAAGCAGAGAAGATACCAGAGGAGGGAAT
GAGAAGGGCAAAGCAAAGAAGACTGTACCATGTCC

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Restriction Sites: Please inquire

ACCN: NM_001137553

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:	<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:	<u>NM_001137553.1</u> , <u>NP_001131025.1</u>
RefSeq Size:	4342 bp
RefSeq ORF:	2259 bp
Locus ID:	9208
UniProt ID:	<u>Q32MZ4</u>
Cytogenetics:	2q37.3
Protein Families:	Transcription Factors
Gene Summary:	<p>Transcriptional repressor which preferentially binds to the GC-rich consensus sequence (5'-AGCCCCCGGCG-3') and may regulate expression of TNF, EGFR and PDGFA. May control smooth muscle cells proliferation following artery injury through PDGFA repression. May also bind double-stranded RNA. Positively regulates Toll-like receptor (TLR) signaling in response to agonist probably by competing with the negative FLII regulator for MYD88-binding. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) lacks three internal exons in the coding region, but maintains the reading frame, compared to variant 3. The resulting isoform (5) lacks two internal segments, compared to isoform 3.</p>