

Product datasheet for **SC325873**

LRRFIP1 (NM_001137551) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP1 (NM_001137551) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRFIP1
Synonyms:	FLAP-1; FLAP1; FLIAP1; GCF-2; GCF2; HUF1-1; TRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325873 representing NM_001137551. Blue=Insert sequence Red=Cloning site Green=Tag(s)

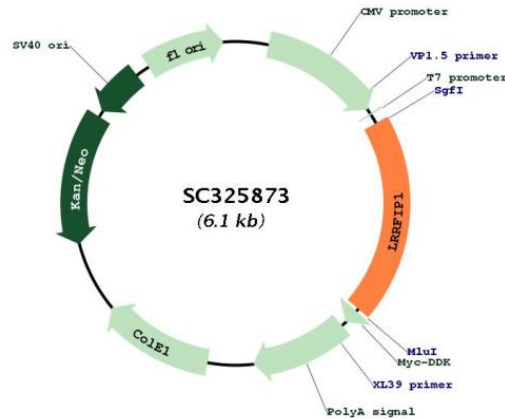
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CGGCAGCAGAAGGAGGTAGAAGAGAGACCAGAAAAAGATTTTACTGAGAAGGGTCTCGTAAACATGCCG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001137551

Insert Size: 1185 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).

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_001137551.1](#)

RefSeq Size: 3599 bp

RefSeq ORF: 1185 bp

Locus ID: 9208

Cytogenetics: 2q37.3

Protein Families: Transcription Factors

MW: 44.9 kDa

Gene Summary: Transcriptional repressor which preferentially binds to the GC-rich consensus sequence (5'-AGCCCCGGCG-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]

Transcript Variant: This variant (2) lacks three internal coding exons and the 3' terminal exon, but has several additional coding exons near to an alternate 3' terminal exon, compared to variant 3. The resulting isoform (2) lacks two internal segments and has a shorter and distinct C-terminus, compared to isoform 3.