

Product datasheet for **RC227988**

LRRFIP1 (NM_001137550) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP1 (NM_001137550) Human Tagged ORF Clone
Tag:	Myc-DDK
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)



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**ORF Nucleotide
Sequence:**

>RC227988 representing NM_001137550
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACATGGGCACCCAGGGATCGGGGCGCAAGCGGCTCCCCAACCGGGAGCGGCTCACGGCGGAGGACG
 ACGCGCTCAACCAGATCGCGGGAGGGCGAAGCCCGGCTCGCTGCAAAACGGGCGGCCCGCGGAGGC
 TCGCGAGATCCGCATGAAGGAGCTGGAGCGGCAGCAGAAGGAGATCTATCAGGTCCAAAAGAAATATTAT
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 GAAGAAACACATCGGCTTCTGATGAAGACGAGCGCATGTCAGTGGGTAGTCGTGGAAGCCTGAGGTCGCA
 GCCTGACTTGGAGTATGGGGTCCTTACGCCTGGACAAATGGTTATGATGGAGAATTGTATGGATCACAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227988 representing NM_001137550
Red=Cloning site Green=Tags(s)

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MDMGTQGSGRKRLPNRERLTAEDDALNQIAREAEARLAAKRAARAEAREIRMKELERQQKEIYQVQKKYY
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VVEERPEKDFTEKGSRNMPGLSAATLASLGGTSSRRSGDTSISIDTEASIREIKELNELKDQIQDVEGK
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QEITALEQNVIRLESQVSRYKSAANAIEDELKAEKRKLQRELRALDKTEELEVSNHGLVKRLEKMK
ANRSALLSQQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001137550

ORF Size: 1920 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001137550.2](#)

RefSeq ORF: 1923 bp

Locus ID: 9208

UniProt ID: [Q32MZ4](#)

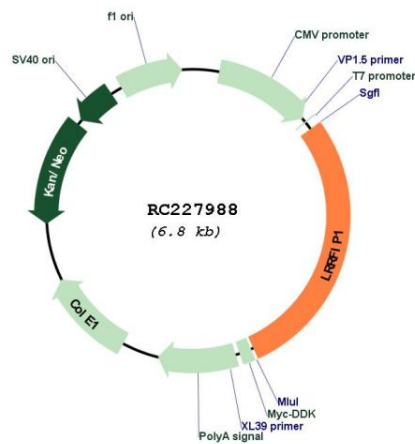
Cytogenetics: 2q37.3

Protein Families: Transcription Factors

MW: 72.9 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]

Product images:



Circular map for RC227988