

Product datasheet for **RC210617**

FIP1L1 (NM_030917) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FIP1L1 (NM_030917) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FIP1L1
Synonyms:	FIP1; hFip1; Rhe
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC210617 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGCCGGCAGGTTCGAGCGCCTAGTGTCCGAGCTGAGCGGGGACCGGAGGGGATGAGGAGGAAG
 AGTGGCTCTATGGCGGCCATGGGACGTGCATGTGCACAGTGATTGGCAAAGGACCTAGATGAAAATGA
 AGTTGAAAGGCCAGAAGAAGAAAATGCCAGTGCTAATCCTCCATCTGGAATTGAAGATGAACTGCTGAA
 AATGGTGTACAAAACCGAAAGTACTGAGACCGAAGATGATAGTGATAGTGACAGCGATGATGATGAAG
 ATGATGTTTCACTATAGGAGACATTAACACGGGAGCACCACAGTATGGGAGTTATGGTACAGCACC
 TGTAAATCTTAACATCAAGACAGGGGAAGAGTTTATGGAACACAGGGACAAAAGTCAAAGGAGTAGAC
 CTTGATGCACCTGGAAGCATTAAATGGAGTTCCTCTTAGAGGTAGATTTGGATTCTTTGAAGATAAAC
 CATGGCGTAAACCTGGTCTGATCTTTCTGATTATTTAATTATGGGTTTAAATGAAGATACCTGAAAGC
 TTAAGTGTAAAAACAAAAGAGGATACGAATGGGACTTGAAGTTATACCAGTAACCTCTACTACAAAATAA
 ATTACGGCCGAAGACTGTACTATGGAAGTTACACCAGGTGCAGAGATCCAAGATGGCAGATTCAATCTTT
 TTAAGGTACAGCAGGGAAGAAGTGGAACTCAGAGAAAAGAACTGCCCTTCCATCTACAAAAGCTGAGTT
 TACTTCTCCTCTCTTTGTTCAAGACTGGGCTTCCACCGAGCAGAAAACAGCACTTCTTCTCAGTCTCAG
 ACAAGTACTGCCTCCAGAAAAGCAATTCAAGCGTTGGGAAGTGGCAGGATCGATATGGGAGGGCCGAAT
 CACCTGATCTAAGGAGATTACCTGGGGCAATTGATGTTATCGGTGAGACTATAACTATCAGCCGAGTAGA
 AGGCAGGCGACGGGCAATGAGAACAGCAACATACAGGTCCTTTCTGAAAGATCTGCTACTGAAGTAGAC
 AACAAATTTAGCAAACCCCTCCGTTTTTCCCTCCAGGAGCTCCTCCACTCACCTCCACCTCCTCCAT
 TTCTTCCACTCCTCCGACTGTCAGCACTGCTCCACTCTGATTCCACCACCGGGTTTTCTCCTCCACC
 AGGCGCTCCACCTCCATCTCTTATACCAACAATAGAAAAGTGGACATTCTCTGGTTATGATAGTCGTTCT
 GCACGTGCATTTCCATATGGCAATGTTGCCTTTCCCATCTTCTGTTCTGCTCCTCGTGGCCTAGTC
 TTGTGGACACCAGCAAGCAGTGGGACTATTATGCCAGAAGAGAGAAAAGACCGAGATAGAGAGAGAGACAG
 AGACAGAGAGCGAGACCGTATCGGGACAGAGAAAAGAGAAGCACCAGAGAGAGAGAGAGGGAGCGTGAT
 CACAGTCTACACCAAGTGTTCACACGCGATGAAGAAGCAGATACAGATACAGGGAATATGCAGAAAAGAG
 GTTATGAGCGTCACAGAGCAAGTCGAGAAAAGAAGAAGCAGATAGAGAAAAGACGACACAGGGAGAAAAGA
 GAAACCAGACATAAGTCTTCTCGAAGTAATAGTAGACGTCGCCATGAAAGTGAAGAAGGAGATAGTCAC
 AGGAGACACAAACACAAAAATCTAAAAGAAGCAAAGAAGGAAAAGAAGCGGGCAGTGAGCTGCCCTG
 AACAGGAGAGCACCGAAGCTACACTGCAGAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210617 protein sequence
 Red=Cloning site Green=Tags(s)

MSAGEVERLVSEL SGGTGGDEEEEWLYGGPWDVHVHSDLAKDL DENEVERPEEENASANPPSGIEDETAE
 NGVPKPKVTETEDSDSDSDDDEDDVHVTIGDIKTGAPQYGSYGTAPVNLNIKTGGRVYGTGTGKVKGVD
 LDAPGSINGVPLLEVDLDSFEDKPWRKPGADLSDYFNFGFNETWKAYCEKQKRIRMGLEVIPVTSTTNK
 ITAEDCTMEVTPGAEIQDGRFNLFKVQQGRTGNSEKETALPSTKAEFTSPPSLFKTGLPPSRNSTSSQSQ
 TSTASRKANSVVGKWDQRYGRAESPDLRRLPGAIDVIGQTTITISRVEGRRRANENSNIQVLSERSATEVD
 NNF SKPPPFPPGAPPHLPPPPFLPPPPTVSTAPPLIPPPGFPPPPGAPPPSLIPTIESGHSSGYDSRS
 ARAFYPGNVAFPHLPGSAPSWPSLVDTSKQWDYYARREKDRDRERDRDRDRDRERERTRERERERER
 HSPTPSVFNSEERYRYREYAERGYERHRASREKEERHRERRHREKEETRHKSSRSNSRRRHESEEGDSH
 RRHKHKSKRSKEGKEAGSEPAPEQESTEATPAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6670_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030917

ORF Size: 1782 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_030917.4](#)

RefSeq Size: 2458 bp

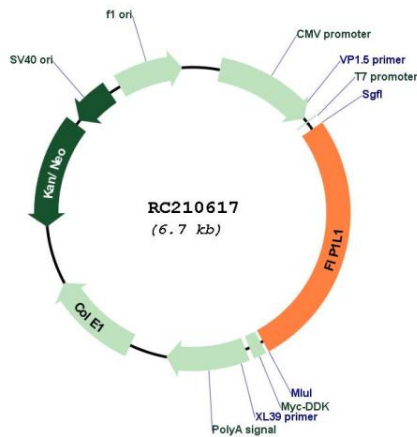
RefSeq ORF: 1785 bp

Locus ID: 81608

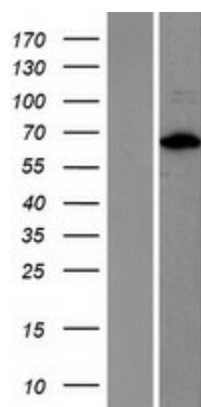
UniProt ID: [Q6UN15](#)
Cytogenetics: 4q12
Domains: Fip1
MW: 66.5 kDa

Gene Summary: This gene encodes a subunit of the CPSF (cleavage and polyadenylation specificity factor) complex that polyadenylates the 3' end of mRNA precursors. This gene, the homolog of yeast Fip1 (factor interacting with PAP), binds to U-rich sequences of pre-mRNA and stimulates poly(A) polymerase activity. Its N-terminus contains a PAP-binding site and its C-terminus an RNA-binding domain. An interstitial chromosomal deletion on 4q12 creates an in-frame fusion of human genes FIP1L1 and PDGFRA (platelet-derived growth factor receptor, alpha). The FIP1L1-PDGFR α fusion gene encodes a constitutively activated tyrosine kinase that joins the first 233 amino acids of FIP1L1 to the last 523 amino acids of PDGFRA. This gene fusion and chromosomal deletion is the cause of some forms of idiopathic hypereosinophilic syndrome (HES). This syndrome, recently reclassified as chronic eosinophilic leukemia (CEL), is responsive to treatment with tyrosine kinase inhibitors. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC210617



Western blot validation of overexpression lysate (Cat# [LY410662]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210617 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).