Recombinant Full Length Human FIP1L1 Protein, GST-tagged

Cat. No. FIP1L1-5113HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FIP1L1 full-length ORF (AAH17724, 1 a.a. - 378 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	378 amino acids
Description	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-PDGFRA 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

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Molecular Mass	67.32 kDa
AA Sequence	MSAGEVERLVSELSGGTGGDEEEEWLYGDENEVERPEEENASANPPSGIEDETAE NGVPKPKVTETEDDSDSDSDDDEDDVHVTIGDIKTGAPQYGSYGTAPVNLNIKTGG RVYGTTGTKVKGVDLDAPGSINGVPLLEVDLDSFEDKPWRKPGADLSDYFNYGFNE DTWKAYCEKQKRIRMGLEVIPVTSTTNKITAEDCTMEVTPGAEIQDGRFNLFKVQQG RTGNSEKETALPSTKAEFTSPPSLFKTGLPPSRNSTSSQSQTSTASRKANSSVGKW QDRYGRAESPDLRRLPGAIDVIGQTITISRVEGRRRANENSNIQVLSERSATEVDNNF SKPPPFFPPGAPPTHLPPPPFLPPPPTVSTAPPLIPPPGK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FIP1L1 FIP1 like 1 (S. cerevisiae) [Homo sapiens]
Official Symbol	FIP1L1
Synonyms	FIP1L1; FIP1 like 1 (S. cerevisiae); pre-mRNA 3-end-processing factor FIP1; DKFZp586K0717; FIP1-like 1 protein; factor interacting with PAP; rearranged in hypereosinophilia; Rhe; hFip1; FLJ33619;

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Gene ID	81608
mRNA Refseq	NM_001134937
Protein Refseq	NP_001128409
MIM	607686
UniProt ID	Q6UN15

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