

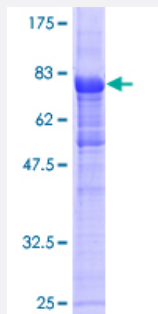
Full-Length

FIP1L1 (Human) Recombinant Protein (P01)

Catalog # H00081608-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FIP1L1 full-length ORF (AAH17724, 1 a.a. - 378 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSAGEVERLVSELSGGTGGDEEEEWLYGDENEVERPEEENASANPPSGIEDETAENGVPKPKV
TETEDDSDDSDSDDDEDDVHVTIGDIKTGAPQYGSYGTAPVNLNIKTGGRVYGTGTGVKGVLDLA
PGSINGVPLLEVLDLSFEDKPWRKPGADLSDYFNFGFNETWKAYCEKQKRIRMGLEVIPVTSTT
NKITAEDCTMEVTPGAEIQDGRFNLFKVQQGRTGNSEKETALPSTKAEFTSPPSLFKTGLPPSRN
STSSQSQTSTASRKANSSVGKWQDRYGRAESPDLRRLPGAIDVIGQTITISRVEGRRRANENSNIQ
VLSERSATEVDNNFSKPPFFPPGAPPTHLPPLPPPTVSTAPPLIPPPGK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.32

Interspecies Antigen Sequence

Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FIP1L1

Entrez GeneID[81608](#)**GeneBank Accession#**[BC017724](#)**Protein Accession#**[AAH17724](#)**Gene Name**

FIP1L1

Gene Alias

DKFZp586K0717, FLJ33619, Rhe

Gene Description

FIP1 like 1 (S. cerevisiae)

Omim ID[607686](#)**Gene Ontology**[Hyperlink](#)**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-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]

Other Designations

FIP1 like 1|rearranged in hypereosinophilia