

FIP1L1-PDGFR alpha recombinant protein

FIP1L1-PDGFR alpha Mutant, Active

CATALOG # AAA73042	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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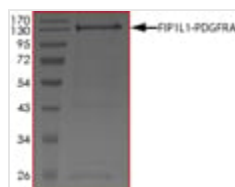
PRODUCT SYNONYMS

FIP1L1-PDGFR alpha; FIP1L1-PDGFR alpha Mutant; Active; FIP1L1-PDGFR alpha recombinant protein

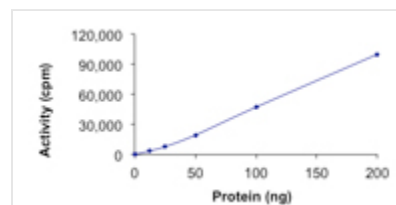
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	1-265 (FIP1L1)
Sequence Length	1602
Applicable Applications for FIP1L1-PDGFR alpha recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for FIP1L1-PDGFR alpha recombinant protein	Description: Recombinant human FIP1L1-PDGFRα, the fusion protein [FIP1L1 (1-265)-PDGFRα (579-end)], was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: FIP1L1 or factor interacting with PAPOLA and CPSF1 is a subunit of the CPSF (cleavage and polyadenylation specificity factor) complex that polyadenylates the 3' end of mRNA precursors. The FIP1L1-PDGFRα fusion gene encodes a constitutively activated tyrosine kinase that transforms hematopoietic cells and is inhibited by imatinib in which fusion of the PDGFRα and FIP1L1 genes as a therapeutic target of imatinib in idiopathic hypereosinophilic syndrome (1). FIP1L1-PDGFR-α requires disruption of the juxtamembrane protein of PDGFR-α and is FIP1L1-independent (2).
Product Categories/Family for FIP1L1-PDGFR alpha recombinant protein	Enzymes; Active Kinase Mutants

References

1. Cools, J. et.al: A tyrosine kinase created by fusion of the PDGFRA and FIP1L1 genes as a therapeutic target of imatinib in idiopathic hypereosinophilic syndrome. New Eng. J. Med. 348: 1201-1214, 2003. 2. Stover, E. H. et.al: FIP1L1-PDGFR-alpha requires disruption of the juxtamembrane protein of PDGFR-alpha and is FIP1L1-independent. Proc. Nat. Acad. Sci. 103: 8078-8083, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117644283
Molecular Weight	130 kDa
NCBI Official Full Name	Synthetic construct Homo sapiens clone IMAGE:100001645 for hypothetical protein (FIP1L1 gene)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/fip1l1-pdgfr-alpha-recombinant-protein-sf9-kinase-assay/73042>