

PFKFB1 recombinant protein

PFKFB1, Active

CATALOG # AAA73816	HOST Sf9 insect cells	APPLICATIONS Western Blot
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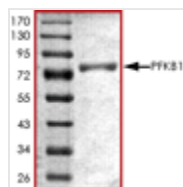
PRODUCT SYNONYMS

PFKFB1; Active; F6PK; HL2K; PFRX; PFKFB1 recombinant protein

PRODUCT SPECIFICATIONS

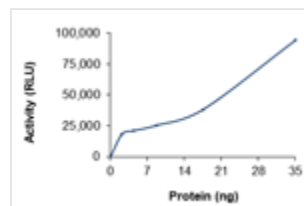
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PFKFB1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may 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



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PFKFB1 recombinant protein	Recombinant full-length human PFKFB1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002625. PFKFB1 is a member of the family of bifunctional 6-phosphofructo-2-kinase: fructose-2, 6-biphosphatase enzymes which forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains (1). Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Regulation of fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis (2).
Product Categories/Family for PFKFB1 recombinant protein	Carbohydrate Kinases; Cancer; Cell Cycle

References

1. Algaier, J.et.al: Molecular cloning, sequence analysis, and expression of a human liver cDNA coding for fructose-6,2-kinase:fructose-2,6-bisphosphatase. Biochem. Biophys. Res. Commun. 153: 328-333, 1988.
2. Darville, M. I. et.al: Complete nucleotide sequence coding for rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase derived from a cDNA clone. FEBS Lett. 224: 317-321, 1987.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002625](#)

Molecular Weight

80kDa

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://stage.aaabiotech.com/pfkfb1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73816>