

PFKFB4 recombinant protein

PFKFB4, Active

CATALOG # AAA73819	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PFKFB4; Active; PFKFB4 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 PFKFB4 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 PFKFB4 recombinant protein	Recombinant human PFKFB4 (2-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004567 PFKFB4 (also known as 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase-4) regulates the steady-state concentration of fructose-2, 6-bisphosphate, a potent activator of a key regulatory enzyme of glycolysis pathway called phosphofructokinase. Isozymes of PFKFB differ in the regions surrounding the catalytic core, which are important for the differential response to allosteric effectors and hormonal signals in different tissues (1). PFKFB4 is highly expressed in brain, heart, liver, muscle, placenta, adipose tissue, ovary, fallopian tubes, and testis (2).
Product Categories/Family for PFKFB4 recombinant protein	Carbohydrate Kinases ; Cancer ; Cell Cycle
References	1. Sakai, A. et.al: Cloning of cDNA encoding for a novel isozyme of fructose 6-phosphate,2-kinase/fructose 2,6-bisphosphatase from human placenta. J. Biochem. 119: 506-511, 1996. 2. Manzano, A.et.al: Cloning, expression and chromosomal localization of a human testis 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase gene. Gene 229: 83-89, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004567
Molecular Weight	82kDa

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/pfkfb4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73819>