

Datasheet for 009-001-S89S**PFKFB4 protein-GST fusion****Overview**

Description:	PFKFB4 recombinant protein-GST fusion protein - 009-001-S89S
Item No.:	009-001-S89S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	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). PFKFB4 Protein is ideal for investigators involved in Signaling Proteins, Fructose Kinase Proteins, Cancer, Cell Cycle, and Metabolic Disorder research.
Synonyms:	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4, 6PF-2-K/Fru-2,6-P2ase 4, PFK/FBPase 4, 6PF-2-K/Fru-2,6-P2ase testis-type isozyme, 6-phosphofructo-2-kinase, Fructose-2,6-bisphosphatase
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PFKFB4
Purity/Specificity:	Recombinant human PFKFB4 (2-end) was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_004567

Application Details

Application Note:	PFKFB4 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. PFKFB4 Protein is suitable for use in Western Blot. Expect a band approximately ~82kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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