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Datasheet for 009-001-S87S

PFKFB1 protein-GST fusion

Overview

Description:	PFKFB1 recombinant protein-GST fusion protein - 009-001-S87S
Item No.:	009-001-S87S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	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). PFKFB1 Protein is ideal for investigators involved in Signaling Proteins, Fructose Kinase Proteins, Cancer, Cell Cycle, and Metabolic Disorder research.
Synonyms:	F6PK, HL2K, PFRX, 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1, 6PF-2-K/Fru-2,6-P2ase 1, PFK/FBPase 1, 6PF-2-K/Fru-2,6-P2ase liver isozyme, 6-phosphofructo-2-kinase, Fructose-2,6-bisphosphatase, PFKFB1
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PFKFB1
Purity/Specificity:	Recombinant full-length human PFKFB1 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_002625

Application Details

Application Note:	PFKFB1 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. PFKFB1 Protein is suitable for use in Western Blot. Expect a band approximately ~80kDa 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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

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