

Datasheet for 009-001-S98S**PIP4K2B protein-GST fusion****Overview**

Description:	PIP4K2B recombinant protein-GST fusion protein - 009-001-S98S
Item No.:	009-001-S98S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PIP4K2B (phosphatidylinositol-5-phosphate 4-kinase, type II, beta) catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5, 4-bisphosphate. PIP4K2B is a member of the phosphatidylinositol-5-phosphate 4-kinase family. PIP5K2B interacts specifically with the juxtamembrane region of the p55 TNF receptor and that PIP5K2B activity is increased in mammalian cells by treatment with TNF-alpha (1). PIP5P4KB plays a role in determining insulin sensitivity and adiposity (2). PIP4K2B Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, AKT/PKB Pathway, Angiogenesis, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Inflammation, Invasion/Metastasis, Lipid Kinases, Metabolic Disorder, Neurobiology, NfκB Pathway, and WNT Signaling research.
Synonyms:	PI5P4KB, PIP5K2B, PIP5KIIB, PIP5KIIBeta, 1-phosphatidylinositol 5-phosphate 4-kinase 2-beta, Diphosphoinositide kinase 2-beta, Phosphatidylinositol 5-phosphate 4-kinase type II beta, Phosphatidylinositol 5-phosphate 4-kinase type-2 beta
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PIP2K2B
Purity/Specificity:	Recombinant full-length human PIP4K2B 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_003559](#)

Application Details

Application Note: PIP4K2B Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. PIP4K2B Protein is suitable for use in Western Blot. Expect a band approximately ~73kDa 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.

