

Datasheet for 009-001-S92S**PI3K (p55 gamma) protein-HIS Epitope****Overview**

Description:	PI3K (p55 gamma) recombinant protein-HIS Epitope - 009-001-S92S
Item No.:	009-001-S92S
Size:	20 µg
Applications:	SDS-PAGE, WB
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PI3K (p55 gamma) also known as PI3K regulatory subunit 3 (PIK3R3) was first identified by 2-hybrid system as a protein that bind to the intracellular domain of IGF1R. PIK3R3 contains 2 Src homology-2 (SH2) domains, an inter-SH2/p110-binding site and a proline-rich motif. PIK3R3 transcript is detected in all fetal and adult tissues except peripheral blood leukocytes. Expression is low in adult liver and most abundant in adult testis. PIK3R3 can bind IGF1R, INSR, and INSR substrate-1 in vitro and the binding requires receptor activation (1). PI3K (p55 gamma) 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:	PIK3R3, p55, p55-GAMMA, FLJ41892, DKFZp686P05226, Phosphoinositide-3-kinase, regulatory subunit 3 (Gamma)
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PIK3R3
Purity/Specificity:	Recombinant full length human PI3K (p55 gamma) was expressed in insect cells using an N-Terminal his epitope. The purity was determined to be >80% by densitometry.

Relevant Links:

- [NCBI - BC021622](#)

Application Details

Tested Applications:	SDS-PAGE, WB
Application Note:	PI3K (p55 gamma) Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. Human PI3K (p55 gamma) Protein has been tested in SDS-Page and is suitable for use in Western Blot. Expect a band approximately ~61kDa 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:	0.2 µg/µL by UV absorbance at 280 nm
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.

