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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet for 009-001-S93S

PI3K (p65 alpha) protein-HIS Epitope**Overview**

Description:	PI3K (p65 alpha) recombinant protein-HIS Epitope - 009-001-S93S
Item No.:	009-001-S93S
Size:	20 µg
Applications:	SDS-PAGE, WB
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PIK3R1 is a Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position which comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD and it encodes the 85 kD regulatory subunit. PIK3R1 protein associates with activated growth factor receptors. p85-alpha modulates the interaction between PI3 kinase and platelet-derived growth factor receptor (1). PI3K plays an essential role in the development and induction of mast cells in normal and pathogenic immune responses (2). Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. PI3K (p65 alpha) 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:	PI3K catalytic Domain α, PIK3R1, GRB1, p85-ALPHA, Phosphatidylinositol 3-kinase regulatory subunit alpha, PI3-kinase regulatory subunit alpha, PI3K regulatory subunit alpha, PtdIns-3-kinase regulatory subunit alpha, Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha, PI3-kinase subunit p85-alpha, PtdIns-3-kinase regulatory subunit p85-alpha
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PIK3R1
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Purity/Specificity:	Recombinant human PI3K (p65 alpha) was expressed by baculovirus in Sf9 insect cells using an N-terminal his epitope. The purity was determined to be >80% by densitometry.
Relevant Links:	<ul style="list-style-type: none">• NCBI - NM_181523

Application Details

Tested Applications:	SDS-PAGE, WB
Application Note:	PI3K (p65 alpha) Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. Human PI3K (p65 alpha) Protein has been tested in SDS-Page and is suitable for use in Western Blot. Expect a band approximately ~67kDa 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
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.