

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

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:	• 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

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