

Datasheet for ABIN6700374 **PIK3R3 Protein (His tag)**



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Overview

Quantity:	20 µg
Target:	PIK3R3
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3R3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	PI3K (p55 gamma) recombinant protein-HIS Epitope
Purification:	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.
Purity:	>80%

Target Details

Target:	PIK3R3
Alternative Name:	PIK3R3 (PIK3R3 Products)
Background:	Synonyms: PIK3R3, p55, p55-GAMMA, FLJ41892, DKFZp686P05226, Phosphoinositide-3-kinase, regulatory subunit 3 (Gamma) 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

Target Details

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.

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: Human PI3K (p55 gamma) Protein has been tested in SDS-Page and is suitable for use in Western Blot. Expect a band approximately ~61 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: PI3K (p55 gamma) Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months