

Recombinant Human PI3K (p110 beta/p85 alpha) (N-His tag)

Cat No:HR2R1852

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PI3K (p110/p85a)
Gene ID	N/A
Accession	NM_006219, NM_181523
Alternative Name	p110α; PIK3CB, PI3K, PIK3C1, PI3Kbeta, MGC133043, p110-BETA, DKFZp779K1237 p85±: PIK3R1, GRB1, p85-ALPHA
Species	Human
Source	Insect cells
Description	The PI3K comprises of a 110 kDa catalytic subunit and a 85 kDa regulatory subunit. A number of isoforms of the 110 kDa catalytic subunit and the 85 kDa regulatory subunit exist in cells. The p110? catalytic subunit (PIK3CB) plays a role in regulating the formation and stability of alpha-2B-beta-3 integrin adhesion bonds, which are necessary for shear force-induced platelet activation . In animal model of prostate tumor formation induced by the tumor suppressor PTEN loss, ablation of p110? impedes tumorigenesis with a concomitant diminution of AKT phosphorylation .
Functions	The specific activity of PI3K (p110/p85a) was determined to be 15 nmol/min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	111
Purity	70% - 90%
Concentration	
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.