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 p85Î±: 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.