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

Cat No:HR2R1853

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PI3K (p110 beta/p85
Gene ID	N/A
Accession	NM_006219, NM_005027
Alternative Name	p110Î²: PI3K, PIK3C1, PI3Kbeta, MGC133043, p110-BETA, DKFZp779K1237 p85Î²: PIK3R2, P85B, p85-BETA
Species	Human
Source	Insect cells
Description	?PI3K phosphorylate the 3-prime OH position of the inositol ring of inositol lipids which functions in signaling pathways that regulate cell growth by virtue of their activation in response to various mitogenic stimuli. PI3Ks are composed of a 110-kDa catalytic subunit and a 85-kDa adaptor subunit . PI3K plays a critical role in regulating the formation and stability of alpha-2B-beta-3 integrin adhesion bonds, which are necessary for shear force-induced platelet activation. PI3K sustains alpha-2B-beta-3 integrin activation and stabilized platelet aggregation by regulating both integrin-dependent calcium flux and Gi activation of RAP1B .
Functions	The specific activity of PI3K was determined to be 28 nmol /min/mg as per activity assay protocol.
Formulation	50mM sodium, pHosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 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.