



Recombinant Human PI3K (p120 gamma) (N-His tag)

Cat No:HR2R1855

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PI3K (p120?)
Gene ID	N/A
Accession	NM_002649
Alternative Name	p110γ; PI3K, PIK3, PI3CG, PI3Kgamma
Species	Human
Source	Insect cells
Description	PI3K (p120?) is a member of the PI3K family that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. PI3K (p120?) is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, PI3K (p120?) is thought to play a pivotal role in the regulation of cytotoxicity in NK cells . In addition, PI3K (p120?) plays an inhibitory role in inflammatory mediator-induced human vascular smooth muscle cell calcification through regulating alkaline phosphatase expression .
Functions	The specific activity of PI3K (p120?) was determined to be 52 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	121
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.