Recombinant Human PI3K (p110 alpha/p55 gamma) (N-His tag)

Cat No:HR2R1850

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PI3K (p110a/p55?)
Gene ID	N/A
Accession	NM_006218, BC021622
Alternative Name	p110a: PI3K, p110-alpha p55g: PIK3R3, p55, p55-GAMMA, FLJ41892
Species	Human
Source	Insect cells
Description	PI3K (p110alpha/p55gamma) or Phosphatidylinositol 3-kinase is a lipid kinase that phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position which serve as second messengers in growth signaling pathways. PI3K comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in the PI3K has been associated with insulin resistance and plays an important role in glucose homeostasis in vivo . PI3K also plays an essential role in the development and induction of mast cells in normal and pathogenic immune responses .
Functions	The specific activity of PI3K(p110a/p55?)wasdetermined to be 14 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.