

Recombinant Human PI4KB (N-GST tag)

Cat No:HR2R1858

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PI4KB
Gene ID	N/A
Accession	BC000029
Alternative Name	PI4K-BETA, pi4K92, PI4Kbeta, PI4KIIIbeta
Species	Human
Source	Insect cells
Description	?PI4KB is a member of the phosphatidylinositol 4-kinase family (PI4K) and is the first committed step in the production of the second messenger inositol-1,4,5-trisphosphate (PIP3). PI4KB regulates the golgi disintegration/reorganization during mitosis possibly via the phosphorylation of phosphatidylinositol . PI4KB is a type III enzyme that is sensitive to wortmannin and is responsible for regulating the synthesis of agonist-sensitive pools of polyphosphoinositides. PI4KB is critical for glucose-induced insulin secretion due to its capacity to regulate the release of secretory granules . PI4KB inhibits the insulin-stimulated translocation of glucose transporter-4 in mouse adipocytes through its interaction with neuronal calcium sensor-1.
Functions	The specific activity of PI4KB was determined to be 37 nmol/min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	120
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.