Recombinant Human PI4K2A (N-GST tag)

Cat No:HR2R1856

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PI4K2A
Gene ID	N/A
Accession	NM_018425
Alternative Name	DKFZp761G1923; PI4KII; PIK42A; RP11-548K23.6
Species	Human
Source	Insect cells
Description	PI4K2A or phosphatidylinositol 4-kinase type 2 alpha is involved in the formation of phosphatidylinositolpolyphosphates (PtdInsPs) which are centrally involved in many biologic processes ranging from cell growth and organization of the actin cytoskeleton to endo- and exocytosis. PI4K2A phosphorylates PtdIns at the D-4 position which is an essential step in the biosynthesis of PtdInsPs. PI4K2A is a novel regulator of tumor growth by its action on angiogenesis and HIF-1alpha regulation. PI4K2A generates PtdIns4P-rich domains within the Golgi which regulate targeting of clathrin adaptor AP-1 complexes . PI4K2A is also required for Wnt to regulate LRP6 phosphorylation .
Functions	The specific activity of PI4K2A was determined to be 95 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	79
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.