

Recombinant Human PIP4K2A (N-GST tag)

Cat No:HR2R1865

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PIP4K2A
Gene ID	N/A
Accession	NM_005028
Alternative Name	FLJ13267; PI5P4KA; PIP5K2A; PIP5KII-alpha; PIP5KIIA; PIPK
Species	Human
Source	Insect cells
Description	PIP4K2A or phosphatidylinositol-5-phosphate 4-kinase, type II, alpha, is a member of the phosphatidylinositol-5-phosphate 4-kinase family that catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-4,5-bisphosphate . PIP4K2A plays as essential role in the phosphoinositide signal transduction cascades as the precursor to second messengers and is involved in the regulation of secretion, cell proliferation, differentiation, and motility . PIP4K2A may be one of the factors related to the regulation of the beta-globin gene expression and the different levels of Hb H in alpha-thalassemic patients.
Functions	The specific activity of PIP4K2A was determined to be 2100 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	76
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.