

## Recombinant Human PIP5K1C (N-GST tag)

Cat No:HR2R1868

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	PIP5K1C
Gene ID	N/A
Accession	NM_012398
Alternative Name	KIAA0589; LCCS3; PIP5K-GAMMA; PIP5Kgamma; PIPKIg_v4
Species	Human
Source	Insect cells
Description	PIP5K1C or phosphatidylinositol-4-phosphate 5-kinase 1 gamma phosphorylates phosphatidylinositol-4-phosphate to form phosphatidylinositol 4,5-bisphosphate. PIP5K1C is found at synapses and has been found to play roles in endocytosis and cell migration. PIP5K1C directly associates with ?-catenin and increases ?-catenin activity downstream of growth factor stimulation . PIP5K1C expression and kinase activity enhance ?-catenin phosphorylation on residues that promote nuclear importation and transcriptional activity. PIP5K1C deficiency impairs neutrophil recruitment as a result of defect in adhesion. PIP5K1C regulated the adhesion through facilitating RhoA GTPase and integrin activation by chemoattractants .
Functions	The specific activity of PIP5K1C was determined to be 220 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.