

## **Recombinant Human PI4K2B (N-GST tag)**

Cat No:HR2R1857

For research use only

## Overview

Quantity	10 ?g
Gene Symbol	PI4K2B
Gene ID	N/A
Accession	NM_018323
Alternative Name	FLJ11105; PI4KIIB; PIK42B
Species	Human
Source	Insect cells
Description	PI4K2B is a member of the phosphatidylinositol 4-kinase family (PI4K) that phosphorylate phosphatidylinositol to generate phosphatidylinositol 4-phosphate which are immediate precursor of several important signaling and scaffolding molecules. PI4K2B is primarily a cytosolic PI4K that is recruited to membranes where it stimulates phosphatidylinositol 4,5-bisphosphate syntheses . PI4K2B uses phosphatidylinositol as their primary substrate and has no activity on phosphatidylinositol monophosphates. PI4K2B is a restricted minor histocompatibility antigen in patients that had been successfully treated with donor lymphocyte infusions for relapsed chronic myeloid leukemia after allogeneic stem cell transplantation .
Functions	The specific activity of PI4K2B was determined to be 218 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	84
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.