Active Recombinant Human PI4K2B, GST-tagged

Cat. No. PI4K2B-1076H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human PI4K2B was co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full Length
Description	Phosphatidylinositol 4-kinases (PI4Ks) phosphorylate phosphatidylinositol to generate phosphatidylinositol 4-phosphate (PIP), an immediate precursor of several important signaling and scaffolding molecules. PIP itself may also have direct functional and structural roles. PI4K2B is a primarily cytosolic PI4K that is recruited to membranes, where it stimulates phosphatidylinositol 4,5-bisphosphate synthesis.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	218 nmol/min/mg
Molecular Mass	~84 kDa
Purity	>90%
Applications	Kinase Assay; Western Blot

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Stability	1 yr at -70oC from date of shipment.
Storage	Store product at –70oC. 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.
Concentration	0.1 ug/ul

GENE INFORMATION

Gene Name	PI4K2B phosphatidylinositol 4-kinase type 2 beta [Homo sapiens]
Official Symbol	PI4K2B
Synonyms	PI4K2B; phosphatidylinositol 4-kinase type 2 beta; phosphatidylinositol 4-kinase type 2-beta; FLJ11105; PI4KIIB; PIK42B; PI4KII-BETA; phosphatidylinositol 4-kinase type II-beta; phosphatidylinositol 4-kinase type-II beta; NP_060793.2; EC 2.7.1.67
Gene ID	55300
mRNA Refseq	NM_018323
Protein Refseq	NP_060793
MIM	612101
UniProt ID	Q8TCG2
Chromosome Location	4p15.2
Pathway	3-phosphoinositide biosynthesis; D-myo-inositol (1,4,5)-trisphosphate biosynthesis;

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	Inositol phosphate metabolism
Function	1-phosphatidylinositol 4-kinase activity; ATP binding

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