

Active Recombinant Human PIP4K2C, GST-tagged

Cat. No. PIP4K2C-1459H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PIP4K2C was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	PIP4K2C (also known as phosphatidylinositol-5-phosphate 4-kinase, type II, gamma) is a member of the PIP kinase family that plays an important role in a wide variety of cell functions. PIP4K2C is found in the cytosol and surrounding plasma membrane and its presence in the endoplasmic reticulum seems to be a prerequisite for PIP2 synthesis. PIP4K2C play an important role in the production of phosphatidylinositol bisphosphate (PIP2) in the endoplasmic reticulum.
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	5 nmol/min/mg
Molecular Mass	~75 kDa
Purity	>90% by densitometry
Applications	Kinase Assay; Western Blot

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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	0.1µg/µl
GENE INFORMATION	
Gene Name	PIP4K2C phosphatidylinositol-5-phosphate 4-kinase, type II, gamma [Homo sapiens]
Official Symbol	PIP4K2C
Synonyms	PIP4K2C; phosphatidylinositol-5-phosphate 4-kinase, type II, gamma; phosphatidylinositol 4 phosphate 5 kinase, type II, gamma , PIP5K2C; phosphatidylinositol-5-phosphate 4-kinase type-2 gamma; FLJ22055; PIP4KII-gamma; PI(5)P 4-kinase type II gamma; phosphatidylinositol 4-phosphate 5-kinase; phosphatidylinositol-4-phosphate 5-kinase, type II, gamma; PIP5K2C
Gene ID	79837
mRNA Refseq	NM_001146258
Protein Refseq	NP_001139730
MIM	600487
UniProt ID	Q8TBX8
Chromosome Location	12q13.2

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Pathway	B Cell Receptor Signaling Pathway; -myo-inositol (1,4,5)-trisphosphate biosynthesis; Phosphatidylinositol signaling system
Function	1-phosphatidylinositol-5-phosphate 4-kinase activity; ATP binding; identical protein binding; nucleotide binding; transferase activity

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