

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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