

Recombinant Human PIP4K2C 293 Cell Lysate

Cat. No. PIP4K2C-3174HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphatidylinositol-5-phosphate 4-kinase, type II, gamma (PIP4 K2C), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

UniProt ID

Q8TBX8

Chromosome Location

12q13.2

Pathway

B Cell Receptor Signaling Pathway, organism-specific biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol-5-phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism,

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organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem;
Phosphatidylinositol signaling system, organism-specific biosystem;
Phosphatidylinositol signaling system, conserved biosystem;

Function

1-phosphatidylinositol-5-phosphate 4-kinase activity; ATP binding; identical protein
binding; nucleotide binding; transferase activity;

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