

Recombinant Human PI4K2B 293 Cell Lysate

Cat. No. PI4K2B-3208HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for phosphatidylinositol 4-kinase type 2 beta (PI4K2B) 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

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; PI4KII B; PIK42B; PI4KII-BETA; phosphatidylinositol 4-kinase type II-beta; phosphatidylinositol 4-kinase type-II beta;

Gene ID

55300

mRNA Refseq

NM_018323

Protein Refseq

NP_060793

MIM

612101

UniProt ID

Q8TCG2

**Chromosome
Location**

4p15.31

Pathway

3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,4,5)-trisphosphate biosynthesis, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem;

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Inositol phosphate metabolism, conserved biosystem; Inositol phosphate metabolism, PI=>

Function

1-phosphatidylinositol 4-kinase activity; ATP binding; kinase activity; nucleotide binding; transferase activity;

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