

Recombinant Human PI4KB 293 Cell Lysate

Cat. No. PI4KB-3206HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphatidylinositol 4-kinase, catalytic, beta (PI4KB) 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

PI4KB phosphatidylinositol 4-kinase, catalytic, beta [Homo sapiens]

Official Symbol

PI4KB

Synonyms

PI4KB; phosphatidylinositol 4-kinase, catalytic, beta; PIK4CB; phosphatidylinositol 4-kinase beta; PI4K BETA; pi4K92; PtdIns 4-kinase beta; type III phosphatidylinositol 4-kinase beta; phosphatidylinositol 4-kinase, wortmannin-sensitive; NPIK; PI4K92; PI4KBETA; PI4K-BETA; PI4KIIIBETA; FLJ30129; DKFZp686O1820;

Gene ID

5298

mRNA Refseq

NM_001198773

Protein Refseq

NP_001185702

MIM

602758

UniProt ID

Q9UBF8

Chromosome Location

1q21

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,

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conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem;
Inositol phosphate metabolism, conserved biosystem; Inositol phosphate metabolism,
PI=>

Function

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

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