

Recombinant Human PI4K2A cell lysate

Cat. No. PI4K2A-1350HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Description	Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin cytoskeleton to end o- and exocytosis. PI4KII phosphorylates PtdIns at the D-4 position, an essential step in the biosynthesis of PtdInsPs (Barylko et al., 2001 [PubMed 11244087]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PI4K2A phosphatidylinositol 4-kinase type 2 alpha [Homo sapiens]
Official Symbol	PI4K2A
Synonyms	PI4K2A; phosphatidylinositol 4-kinase type 2 alpha; phosphatidylinositol 4-kinase type 2-alpha; DKFZP761G1923; PI4KII; PIK42A; phosphatidylinositol 4-kinase type II-alpha; phosphatidylinositol 4-kinase type II (PI4KII); RP11-548K23.6; DKFZp761G1923;

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Gene ID	55361
mRNA Refseq	NM_018425
Protein Refseq	NP_060895
MIM	609763
UniProt ID	Q9BTU6
Chromosome Location	10q24
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; Canonical Wnt signaling pathway, organism-specific 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; Inositol phosphate metabolism, conserved biosystem;
Function	1-phosphatidylinositol 4-kinase activity; ATP binding; kinase activity; magnesium ion binding; nucleotide binding; transferase activity;

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