

Recombinant Human IPPK 293 Cell Lysate

Cat. No. IPPK-5181HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for inositol 1,3,4,5,6-pentakisphosphate 2-kinase (IPPK) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	IPPK inositol 1,3,4,5,6-pentakisphosphate 2-kinase [Homo sapiens]
Official Symbol	IPPK
Synonyms	IPPK; inositol 1,3,4,5,6-pentakisphosphate 2-kinase; C9orf12, chromosome 9 open reading frame 12; inositol-pentakisphosphate 2-kinase; FLJ13163; INSP5K2; IP5K; IPK1; IPK1 homolog; insP5 2-kinase; ins(1,3,4,5,6)P5 2-kinase; bA476B13.1 (novel protein); C9orf12; bA476B13.1; KIAA0699;
Gene ID	64768
mRNA Refseq	NM_022755
Protein Refseq	NP_073592
UniProt ID	Q9H8X2
Chromosome Location	9q22.31
Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific biosystem; 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; 1D-myo-inositol hexakisphosphate biosynthesis V (from Ins(1,3,4)P3), organism-specific biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phosphatidylinositol signaling system, organism-specific biosystem;

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Function

ATP binding; inositol pentakisphosphate 2-kinase activity; nucleotide binding; transferase activity;

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