

Recombinant Human INPP5K 293 Cell Lysate

Cat. No. INPP5K-5197HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for inositol polyphosphate-5-phosphatase K (INPP5K), transcript variant 2 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

INPP5K inositol polyphosphate-5-phosphatase K [Homo sapiens]

Official Symbol

INPP5K

Synonyms

INPP5K; inositol polyphosphate-5-phosphatase K; inositol polyphosphate 5-phosphatase K; skeletal muscle and kidney enriched inositol phosphatase; SKIP; skeletal muscle and kidney-enriched inositol phosphatase; PPS;

Gene ID

51763

mRNA Refseq

NM_130766

Protein Refseq

NP_570122

MIM

607875

UniProt ID

Q9BT40

**Chromosome
Location**

17p13.3

Pathway

1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific biosystem; 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; 3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide degradation, conserved biosystem; D-myo-inositol (1,3,4)-

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trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, organism-specific biosystem;

Function

hydrolase activity; inositol bisphosphate phosphatase activity; inositol trisphosphate phosphatase activity; inositol-1,3,4,5-tetrakisphosphate 5-phosphatase activity; inositol-1,4,5-trisphosphate 5-phosphatase activity; inositol-polyphosphate 5-phosphatase activity; lipid phosphatase activity; phosphatidylinositol phosphate 5-phosphatase activity; phosphatidylinositol trisphosphate phosphatase activity; phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase activity; protein binding; vasopressin receptor activity;

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