

## Recombinant Human INPP5K 293 Cell Lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

<b>Gene Name</b>	INPP5K inositol polyphosphate-5-phosphatase K [ Homo sapiens ]
<b>Official Symbol</b>	INPP5K
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">51763</a>
<b>mRNA Refseq</b>	<a href="#">NM_130766</a>
<b>Protein Refseq</b>	<a href="#">NP_570122</a>
<b>MIM</b>	<a href="#">607875</a>
<b>UniProt ID</b>	<a href="#">Q9BT40</a>
<b>Chromosome Location</b>	17p13.3
<b>Pathway</b>	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)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; D-myo-inositol (1,4,5)-

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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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