Recombinant Human INPP5D 293 Cell Lysate

Cat. No. INPP5D-5198HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for inositol polyphosphate-5-phosphatase, 145kDa (INPP5D), 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	INPP5D inositol polyphosphate-5-phosphatase, 145kDa [Homo sapiens]
Official Symbol	INPP5D
Synonyms	INPP5D; inositol polyphosphate-5-phosphatase, 145kDa; inositol polyphosphate 5 phosphatase, 145kD; phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1; hp51CN; SHIP; SHIP-1; p150Ship; SH2 domain-containing inositol phosphatase 1; SH2 containing inositol phosphatase, isoform b; SH2 domain-containing inositol 5-phosphatase 1; SH2 domain-containing inositol-5-phosphatase 1; inositol polyphosphate-5-phosphatase of 145 kDa; signaling inositol polyphosphate 5 phosphatase SIP-145; phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1; SHIP1; SIP-145; MGC104855; MGC142140; MGC142142;
Gene ID	3635
mRNA Refseq	NM_001017915
Protein Refseq	NP_001017915
MIM	601582
UniProt ID	Q92835
Chromosome Location	2q37.1

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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; Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem;
Function	PTB domain binding; SH3 domain binding; hydrolase activity; inositol-4,5-bisphosphate 5-phosphatase activity; inositol-polyphosphate 5-phosphatase activity; phosphatidylinositol trisphosphate phosphatase activity; protein binding;

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