

## Recombinant Human INPP5D 293 Cell Lysate

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

### SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>Species</b>             | Human   |
| <b>Source</b>              | HEK293  |
| <b>Description</b>         | 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.  |
| <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   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | INPP5D inositol polyphosphate-5-phosphatase, 145kDa [ Homo sapiens ]   |
| <b>Official Symbol</b>     | INPP5D   |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 3635   |
| <b>mRNA Refseq</b>         | NM_001017915   |
| <b>Protein Refseq</b>      | NP_001017915   |
| <b>MIM</b>                 | 601582   |
| <b>UniProt ID</b>          | Q92835   |
| <b>Chromosome Location</b> | 2q37.1   |
| <b>Pathway</b>             | 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific  |

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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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