

## Recombinant Mouse Inpp5e Protein, Myc/DDK-tagged

Cat. No. Inpp5e-3548M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length inositol polyphosphate-5-phosphatase E (Inpp5e), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P <sub>3</sub> ), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P <sub>2</sub> ) and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P <sub>2</sub> ). Specific for lipid substrates, inactive towards water soluble inositol phosphates. Specific for lipid substrates, inactive towards water soluble inositol phosphates. Plays an essential role in the primary cilium by controlling ciliary growth and phosphoinositide 3-kinase (PI3K) signaling and stability.
<b>Molecular Mass</b>	71.9 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

 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

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Inpp5e inositol polyphosphate-5-phosphatase E \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Inpp5e](#)

**Synonyms** INPP5E; inositol polyphosphate-5-phosphatase E; 72 kDa inositol polyphosphate 5-phosphatase; inositol polyphosphate-5-phosphatase, 72 kDa; phosphatidylinositol 4,5-bisphosphate 5-phosphatase; phosphatidylinositol-4,5-bisphosphate 5-phosphatase; phosphatidylinositol polyphosphate 5-phosphatase type IV; 72kDa; mKIAA0123; 1200002L24Rik

**Gene ID** [64436](#)

**mRNA Refseq** [NM\\_033134](#)

**Protein Refseq** [NP\\_149125](#)

**UniProt ID** [Q9JII1](#)

 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