

Recombinant Mouse Inpp5e Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inositol polyphosphate-5-phosphatase E (Inpp5e), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Phosphatidylinositol (PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P3), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). 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.
Molecular Mass	71.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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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](#)

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