

Recombinant Mouse Inpp4b Protein, Myc/DDK-tagged

Cat. No. Inpp4b-3545M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inositol polyphosphate-4-phosphatase, type II (Inpp4b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-bisphosphate. Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles. Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival.
Molecular Mass	104.5 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 [Inpp4b inositol polyphosphate-4-phosphatase, type II \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Inpp4b](#)

Synonyms INPP4B; inositol polyphosphate-4-phosphatase, type II; type II inositol 3,4-bisphosphate 4-phosphatase; type II inositol-3,4-bisphosphate 4-phosphatase; inositol polyphosphate 4-phosphatase type II beta isoform; E130107I17Rik

Gene ID [234515](#)

mRNA Refseq [NM_001024617](#)

Protein Refseq [NP_001019788](#)

UniProt ID [Q6P1Y8](#)

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