

Recombinant Mouse Inpp4a Protein, Myc/DDK-tagged

Cat. No. Inpp4a-3544M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inositol polyphosphate-4-phosphatase, type I (Inpp4a), 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. Catalyzes also inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate. Antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival. May protect neurons from excitotoxic cell death by regulating the synaptic localization of cell surface N-methyl-D-aspartate-type glutamate receptors (NMDARs) and NMDAR-mediated excitatory postsynaptic current.
Molecular Mass	106 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.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Inpp4a inositol polyphosphate-4-phosphatase, type I \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Inpp4a](#)

Synonyms INPP4A; inositol polyphosphate-4-phosphatase, type I; type I inositol 3,4-bisphosphate 4-phosphatase; inositol polyphosphate 4-phosphatase type I; type I inositol-3,4-bisphosphate 4-phosphatase; 107kDa; R74740; 9630012D15; D130048C09Rik

Gene ID [269180](#)

mRNA Refseq [NM_030266](#)

Protein Refseq [NP_084542](#)

UniProt ID [Q9EPW0](#)

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