

Recombinant Mouse Inpp5k Protein, Myc/DDK-tagged

Cat. No. Inpp5k-3550M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length inositol polyphosphate 5-phosphatase K (Inpp5k), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Inositol 5-phosphatase which acts on inositol 1,4,5-trisphosphate, inositol 1,3,4,5-tetrakisphosphate, phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate. Has 6-fold higher affinity for phosphatidylinositol 4,5-bisphosphate than for inositol 1,4,5-trisphosphate. Negatively regulates assembly of the actin cytoskeleton. Controls insulin-dependent glucose uptake among inositol 3,4,5-trisphosphate phosphatases; therefore, is the specific regulator for insulin signaling in skeletal muscle.
Molecular Mass	54.2 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 [Inpp5k inositol polyphosphate 5-phosphatase K \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Inpp5k](#)

Synonyms INPP5K; inositol polyphosphate 5-phosphatase K; PI-5-phosphatase related; putative PI-5-phosphatase; skeletal muscle and kidney-enriched inositol phosphatase; skeletal muscle and kidney enriched inositol polyphosphate phosphatase; C62; Pps; SKIP

Gene ID [19062](#)

mRNA Refseq [NM_008916](#)

Protein Refseq [NP_032942](#)

UniProt ID [Q8C5L6](#)

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