

Recombinant Mouse Minpp1 Protein, Myc/DDK-tagged

Cat. No. Minpp1-4076M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length multiple inositol polyphosphate histidine phosphatase 1 (Minpp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a 2,3-bisphosphoglycerate 3-phosphatase, by mediating the dephosphorylation of 2,3-bisphosphoglycerate (2,3-BPG) to produce phospho-D-glycerate without formation of 3-phosphoglycerate. Acts as a phosphoinositide 5- and phosphoinositide 6-phosphatase and regulates cellular levels of inositol pentakisphosphate (InsP5) and inositol hexakisphosphate (InsP6). May play a role in bone development (endochondral ossification). May play a role in the transition of chondrocytes from proliferation to hypertrophy.
Molecular Mass	54.5 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.

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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 Minpp1 multiple inositol polyphosphate histidine phosphatase 1 [Mus musculus (house mouse)]

Official Symbol Minpp1

Synonyms MINPP1; multiple inositol polyphosphate histidine phosphatase 1; multiple inositol polyphosphate phosphatase 1; ins(1,3,4,5)P(4) 3-phosphatase; inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase; AA408516

Gene ID 17330

mRNA Refseq NM_010799

Protein Refseq NP_034929

UniProt ID Q9Z2L6

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