

Recombinant Human MINPP1 Protein, His-tagged

Cat. No. MINPP1-549H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MINPP1, transcript variant 1, fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Protein Length	31-487 aa
Description	This gene encodes multiple inositol polyphosphate phosphatase; an enzyme that removes 3-phosphate from inositol phosphate substrates. It is the only enzyme known to hydrolyze inositol pentakisphosphate and inositol hexakisphosphate. This enzyme also converts 2,3 bisphosphoglycerate (2,3-BPG) to 2-phosphoglycerate; an activity formerly thought to be exclusive to 2,3-BPG synthase/2-phosphatase (BPGM) in the Rapoport-Luebering shunt of the glycolytic pathway.
Form	Supplied as a 0.2 μ M filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5
Molecular Mass	53.14kD
AA Sequence	SLLEPRDPVASSLSPYFGTKTRYEDVNPVLLSGPEAPWRDPELLEGTCTPVQLVALI RHGTRYPTVKQIRKLRQLHGLLQARGSRDGGASSTGSRDLGAALADWPLWYADW MDGQLVEKGRQDMRQLALRLASLFPALFSRENYGRLRLITSSKHRCMDSSAAFLQG LWQHYHPGLPPPVDADMEFGPPTVNDKLMRFFDHCEKFLTEVEKNATALYHVEAFK

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TGPEMQNILKKVAATLQVPVNDLNADLIQVAFFTCSEFDLAIKGVKSPWCDVFDIDDAK
VLEYLNDLKQYWKRGYGYTINSRSSCTLFQDIFQHLDKAVEQKQRSQPISSPVILQF
GHAETLLPLLSLMGYFKDKEPLTAYNYKKQMHRKFRSGLIVPYASNLIFVLYHCENAK
TPKEQFRVQMLLNEKVLPLAYSQETVSFYEDLKNHYKDILQSCQTSEECELARANST
SDELVDHHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name [MINPP1 multiple inositol-polyphosphate phosphatase 1 \[Homo sapiens \]](#)

Official Symbol [MINPP1](#)

Synonyms MINPP1; multiple inositol-polyphosphate phosphatase 1; multiple inositol polyphosphate histidine phosphatase, 1; multiple inositol polyphosphate phosphatase 1; MIPP; ins(1,3,4,5)P(4) 3-phosphatase; multiple inositol polyphosphate phosphatase 2; inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase; HIPER1; MINPP2; DKFZp564L2016;

Gene ID [9562](#)

mRNA Refseq [NM_001178117](#)

Protein Refseq [NP_001171588](#)

MIM [605391](#)

UniProt ID [Q9UNW1](#)

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