

Recombinant Full Length Human MINPP1 Protein, GST-tagged

Cat. No. MINPP1-6265HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MINPP1 full-length ORF (BAG35779.1, 1 a.a. - 487 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	487 amino acids
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
Molecular Mass	79.97 kDa
AA Sequence	MLRAPGCLLRTSVAPAAALAAALLSSLARCSLLEPRDPVASSLSFYFGTKTRYEDVN PVLLSGPEAPWRDPELLEGTCTPVQLVALIRHGTRYPTVKQIRKLRQLHGLLQARGS RDGGASRTGSRDLGAALADWPLWYADWMDGQLVEKGRQDMRQLALRLASLFPAL FSRENYGRLRLITSSKHRCMDSSAAFLQGLWQHYHPGLPPPDPVADMEFGPPTVND KLMRFFDHCEKFLTEVEKNATALYHVEAFKTGPEMQNILKKVAATLQVPVNDLNADLI QVAFFTCSFDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGYTINSRSSCT LFQDIFQHLDKAVEQKQRSQPISSPVILQFGHAETLLPLLMLMGYFKDKEPLTAYNYK

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KQMRKFRSGLIVPYASNLIFVLYHCENAKTPKEQFRVQMLLNEKVLPLAYSQETVS
FYEDLKNHYKDILQSCQTSEECELARANSTSDEL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	605391
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UniProt ID	Q9UNW1
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