Recombinant Full Length Human MINPP1 Protein, C-Flag-tagged

Cat. No. MINPP1-880HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MINPP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 hydrolzye 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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.9 kDa
AA Sequence	MLRAPGCLLRTSVAPAAALAAALLSSLARCSLLEPRDPVASSLSPYFGTKTRYEDVN PVLLSGPEAPWRD PELLEGTCTPVQLVALIRHGTRYPTVKQIRKLRQLHGLLQARGS RDGGASSTGSRDLGAALADWPLWYAD WMDGQLVEKGRQDMRQLALRLASLFPAL FSRENYGRLRLITSSKHRCMDSSAAFLQGLWQHYHPGLPPPD VADMEFGPPTVND KLMRFFDHCEKFLTEVEKNATALYHVEAFKTGPEMQNILKKVAATLQVPVNDLNADL IQVAFFTCSFDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGYTINSRSSC

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

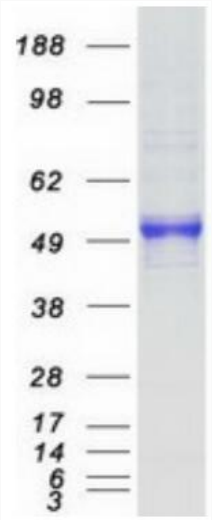
	TLFQDIFQHLDKA VEQKQRSQPISSPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNY KKQMHRKFRSGLIVPYASNLIFVLY HCENAKTPKEQFRVQMLLNEKVLPLAYSQETV SFYEDLKNHYKDILQSCQTSEECELARANSTSDELTRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Inositol phosphate metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	MINPP1 multiple inositol-polyphosphate phosphatase 1 [Homo sapiens (human)]
Official Symbol	MINPP1
Synonyms	MIPP; PCH16; HIPER1; MINPP2

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Gene ID	9562
mRNA Refseq	NM_004897.5
Protein Refseq	NP_004888.2
MIM	605391
UniProt ID	Q9UNW1



Coomassie blue staining of purified MINPP1 protein.

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