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Product datasheet for PH307581

MINPP1 (NM_004897) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MINPP1 MS Standard C13 and N15-labeled recombinant protein (NP_004888)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207581
Predicted MW:	54.9 kDa
Protein Sequence:	>RC207581 representing NM_004897 Red=Cloning site Green=Tags(s) MLRAPGCLLRTSVAPAAALAAALLSSLARCSLLEPRDPVASSLSPYFGTKTRYEDVNPVLLSGPEAPWRD PELLEGTCTPVQLVALIRHGTRYPTVKQIRKLRQLHGLLQARGSRDGGASSTGSRDLGAALADWPLWYAD WMDGQLVEKGRQDMRQLALRLASLFPALFSRENYGRLRLITSSKHRCMDSSAAFLQGLWQHYHPGLPPPD VADMEFGPPTVNDKLMRFFDHCEKFLTEVEKNATALYHVEAFKTGPEMQNILKKVAATLQVPVNDLNADL IQVAFFTCSFDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGYTINSRSSCTLFQDIFQHLDKA VEQKQRSQPISSPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNYKKQMHRKFRSGLIVPYASNLIFVLY HCENAKTPKEQFRVQMLLNEKVLPLAYSQETVSFYEDLKNHYKDILQSCQTSEECELARANSTSDEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004888
RefSeq Size:	2412
RefSeq ORF:	1461
Synonyms:	HIPER1; MINPP2; MIPP

View online »

Locus ID: 9562

UniProt ID: Q9UNW1

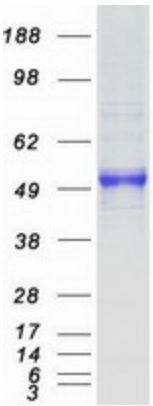
Cytogenetics: 10q23.2

Summary: 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.[provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome

Protein Pathways: Inositol phosphate metabolism

Product images:



Coomassie blue staining of purified MINPP1 protein (Cat# [TP307581]). The protein was produced from HEK293T cells transfected with MINPP1 cDNA clone (Cat# [RC207581]) using MegaTran 2.0 (Cat# [TT210002]).