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Product datasheet for TP507717

Minpp1 (NM_010799) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse multiple inositol polyphosphate histidine phosphatase 1 (Minpp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207717 representing NM_010799 Red=Cloning site Green=Tags(s) MLRGARSHLPASVAPAAVLAAALLSSFARCSLPGRGDPVASVLSPYFGTKTRYEDANPWLLVDPVAPRRD PELLAGTCTPVQLVALIRHGTRYPTTKQIRKLKQLQGLLQTRESRDGGSQVAAALAEWPLWYGDWMDGQL VEKGRQDMRQLALRLAALFPDLFSRENYDRLRLITSSKHRCVDSSAAFLQGLWQHYHPGLPPPDVSDMEC GPPRINDKLMRFFDHCEKFLTDVERNETALYHVEAFKTGPEMQKVLKKVAATLQVPMNSLNADLIQVAFF TCSFDLAIKGVHSPWCDVFDVDDARVLEYLNDLKQYWKRSYGYTINSRSSCNLFQDIFLHLDKAVEQKQR SQPVSSPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNFEEQVNRKFRSGHIVPYASNLIFVLYHCDNAQ SPEEQFQIQLLLNEKVLPLAHSQRPVGLYEELKTHYRDILQSCQTSKECSPPKANITSDEL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	54.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034929
Locus ID:	17330

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UniProt ID:	Q9Z2L6
RefSeq Size:	2619
Cytogenetics:	19 27.25 cM
RefSeq ORF:	1443
Synonyms:	AA408516
Summary:	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 (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]