

Product datasheet for **MC205500**

Minpp1 (NM_010799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Minpp1 (NM_010799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Minpp1
Synonyms:	AA408516
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021437
 CCACGCGTCCGCGGACGCGTGGGTGCACCTACGCGTCCGCGGCGCGCCGCCCTCCGCGGGGCCCCCGGGC
 ACGATGCTTCGCGGCGCGCGCAGCCACCTCCCGGCCTCGGTAGCGCCCGCGGGTCTTGCTGCGGCGC
 TGCTCTCGTGTTCGCGCGCTGCTCTCTCCCGGGCGCGGCGACCCGGTGGCTTCGGTGTCTAGCCCTA
 CTTCCGACCAAGACACGCTACGAAGATGCCAACCCCTGGCTGCTGGTCGATCCGGTGGCGCCGCGGGC
 GACCCGGAGCTGCTGGCGGGACCTGCACCCCGGTGCAGCTGGTCGCCCTCATCCGTACGGCACCCGCT
 ACCTACGACCAAGCAGATCCGCAAGCTGAAGCAGCTGCAGGGGCTGCTGCAGACCCGCGAGTCCCGGA
 TGGCGGGAGCCAAGTGGCCGCGCGCTGGCCGAGTGGCCGCTGTGGTACGGTACTGGATGGACGGGCAG
 CTGGTGGAGAAGGGCGGCAGGACATGCGACAGCTGGCCCTGCGTCTGGTGCCTCTTCCAGACCTCT
 TCAGCCGGGAGAACTACGACCGCTGCGGCTGATCACCAGCTCCAAGCACCGCTGTGTGGACAGCAGCGC
 CGCCTTCTCCAGGGTGTGGCAGCATTACCACCCAGGACTGCCACCTCCCGACGTCTCAGATATGGAG
 TGTGACCTCCAAGAATTAATGATAAACTAATGAGGTTCTTCGATCATTGTGAGAAGTCTTAACTGATG
 TGGAAAGAAACGAGACGGCTCTTATCATGTGGAAGCTTCAAACCTGGACCAGAAATGCAGAAGTCTT
 ACAGAAAGTTGCAGCTACTCTGCAAGTCCAGTGAACAGTTTAAATGCAGACTTAATTCAGTAGCTTTT
 TTCACCTGTTCAATTTGACCTGGCAATTAAGGTGTCCATTCTCCCTGGTGTGATGTGTTGACGTAGATG
 ATGCAAGGGTTCTGGAATACTTAAACGACCTGAAACAGTACTGGAACGAAGCTATGGCTACACCATTAA
 CAGCCGGTCCAGCTGCAACCTATTTTCAGACATTTTTCTACACCTGGACAAGCAGTGGAGCAGAAGCAA
 AGGTCTCAGCCGGTCTCCTCTCCAGTCATCCTCCAGTTTGGACACGCGGAGACGCTCCTGCCGCTCCTCT
 CCCTCATGGGCTACTTCAAGGACAAGGAGCCTCTGACCGTTACAATTTTCGAGGAGCAAGTCAATCGCAA
 GTTCCGAAGTGGTCACATCGTACCTTACGCTCAAACCTAATCTTCGTGCTTTACCAGTGTGACAACGCG
 CAGAGCCCCGAAGAACAATTCAGATACAGCTGCTGCTGAATGAGAAGGTGCTGCCCTGGCTACTCGC
 AGAGACCCGTCGGCTTGTATGAGGAGCTCAAGACCCACTACCGGGACATTCTTCAGAGCTGCCAAACCAG
 TAAGGAATGCAGCCCGCCAAAGCGAACATCACGTCCGATGAGCTCTGAGGACCTTCGGCTGTCAATAC
 TGAGGGGTGTTTTGTTTGCAGGAGGTAGCCACTCTAGAGGCGCGGCAGGAGGACTCTGTGAGTCCAA
 GGCCAGCCTGTTCTACATAGTGAGTTCAGGCCAGCCAAGACTACGTAGAGCAATAAAGCCTGGTCTTTC
 TGTCTTTTACAGAAAATAATAGTTCCTTTAAGATCTGGACATACGGGTAAGACATGACTCTCCCTGGA
 GCAGCTCTCTGCAGAACAAAACTAATTCACGAAGCAGCTGTCCCTCCAGTGTGTTGCAGAGCTGAGAT
 TTTCTAATGACCTAAGAAGATACTGACGTAGAACGGTATTAGAAAGTGACACTTCAAAAATGTTGGATA
 CCAAAGCACGGTAGCTGCCGGGTGAGCGGCAGTGATTGGCAGAGATGGGGACTTGAGTGACCGTGTGGG
 TTCCCTCCTTCTCCTTCTGAGGGCACAAATGATATCGCTTAGTCATAAGTGTGGTAGACTGGATCCTG
 ACCAGAAGGAGGTCTGATATATCCATCCAGACAGGAAATCGACATGCTACCAAGAACCAGGTTGAAGCAA
 AACTGAAAGTGTGGGATATTTTTGTTGACGTTATTTATAAAAATATTTCAACACTGTCAATGATTGCCTT
 TAACCTCCAAGTAGGTCTTGCAATCGTCTTCATTTTCATCAGACCTGTTGGGGTGAACAGTAATAATA
 GGAGGCCAGCCTGGCAGATGCTTGCTGACGCTCCTTGGCTCTTGGCTGCTTGTCTTTTTTATTCCATCA
 TGGCTTCCCTTTTCATAGCTGGATCTTCCATGAAGTGTTCCTTTTGGTGGTTGGATTTTTTTTTTTTAA
 AATAAGACCTCATCTGCCGAATTAATTTGATAGATTTGAATCTGATCAAAAGAAATTTTGGATTCTCTC
 AAATACCATAAAAGTGTGCTACAATAAATAAAATCTTGTGACTTTAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_010799
- Insert Size:** 1446 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC021437](#), [AAH21437](#)

RefSeq Size: 2589 bp

RefSeq ORF: 1446 bp

Locus ID: 17330

UniProt ID: [Q9Z2L6](#)

Cytogenetics: 19 27.25 cM

Gene 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]