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Product datasheet for SC111119

MINPP1 (NM_004897) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINPP1 (NM_004897) Human Untagged Clone
Tag:	Tag Free
Symbol:	MINPP1
Synonyms:	HIPER1; MINPP2; MIPP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC111119 sequence for NM_004897 edited (data generated by NextGen Sequencing)

ATGCTACGCGCGCCCGGCTGCCTCCTCCGGACCTCCGTAGCGCCTGCCGCGGCCCTGGCT
GCGGCGCTGCTCTCGTCGCTTGCGCGCTGCTCTCTTCTAGAGCCGAGGGACCCGGTGGCC
TCGTCGCTCAGCCCCTATTTCGGCACCAAGACTCGCTACGAGGATGTCAACCCCGTGCTA
TTGTCGGGCCCCGAGGCTCCGTGGCGGGACCCTGAGCTGCTGGAGGGGACCTGCACCCCG
GTGCAGCTGGTCGCCCTCATTCGCCACGGCACCCGCTACCCCACGGTCAAACAGATCCGC
AAGCTGAGGCAGCTGCACGGGTTGCTGCAGGCCCGCGGGTCCAGGGATGGCGGGGCTAGT
AGTACCGGCAGCCGCGACCTGGGTGCAGCGCTGGCCGACTGGCCTTTGTGGTACGCGGAC
TGGATGGACGGGCAGCTAGTAGAGAAGGGACGGCAGGATATGCGACAGCTGGCGCTGCGT
CTGGCCTCGCTCTTCCCGGCCCTTTTCAGCCGTGAGAACTACGGCCGCCTGCGGCTCATC
ACCAGTTCCAAGCACCGCTGCATGGATAGCAGCGCCGCCTTCCTGCAGGGGCTGTGGCAG
CACTACCACCCTGGCTTGCCGCCGCCGGACGTCGCAGATATGGAGTTTGGACCTCCAACA
GTTAATGATAAACTAATGAGATTTTTTGATCACTGTGAGAAGTTTTTAACTGAAGTAGAA
AAAAATGCTACAGCTCTTTATCACGTGGAAGCCTTCAAAACTGGACCAGAAATGCAGAAC
ATTTTAAAAAAAGTTGCAGCTACTTTGCAAGTGCCAGTAAATGATTTAAATGCAGATTTA
ATTCAAGTAGCCTTTTTCACCTGTTCATTTGACCTGGCAATTAAAGGTGTTAAATCTCCT
TGGTGTGATGTTTTTGACATAGATGATGCAAAGGTATTAGAATATTTAAATGATCTGAAA
CAATATTGGAAAAGAGGATATGGGTATACTATTAACAGTCGATCCAGCTGCACCTTGTTT
CAGGATATCTTTCAGCACTTGGACAAAGCAGTTGAACAGAAACAAAGGTCTCAGCCAATT
TCTTCTCCAGTCATCCTCCAGTTTGGTCATGCAGAGACTCTTCTTCCACTGCTTTCTCTC
ATGGGCTACTTCAAAGACAAGGAACCCCTAACAGCGTACAATTACAAAAAACAAATGCAT
CGGAAGTTCCGAAGTGGTCTCATTGTACCTTATGCCTCGAACCTGATATTTGTGCTTTAC
CACTGTGAAAATGCTAAGACTCCTAAAGAACAATTCCGAGTGCAGATGTTATTAAATGAA
AAGGTGTTACCTTTGGCTTACTCACAAGAAACTGTTTCATTTTATGAAGATCTGAAGAAC
CACTACAAGGACATCCTTCAGAGTTGTCAAACCAGTGAAGAATGTGAATTAGCAAGGGCT
AACAGTACATCTGATGAACTATGA

Clone variation with respect to NM_004897.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004897 unedited

AATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCTCGTGCCGAATTCGGCA
CGAGGCCGTCCCGACGATGCTACGCGCGCCCGGCTGCCTCCTCCGGACCTCCGTAGCGCC
TGCCGCGGCCCTGGCTGCGGCGCTGCTCTCGTCGCTTGCGCGCTGCTCTCTTCTAGAGCC
GAGGGACCCGGTGGCCTCGTCGCTCAGCCCCTATTTCGGCACCAAGACTCGCTACGAGGA
TGTCAACCCCGTGCTATTGTCGGGCCCCGAGGCTCCGTGGCGGGACCCTGAGCTGCTGGA
GGGGACCTGCACCCCGGTGCAGCTGGTCGCCCTCATTCGCCACGGCACCCGCTACCCCAC
GGTCAAACAGATCCGCAAGCTGAGGCAGCTGCACGGGTTGCTGCAGGCCCGCGGGTCCAG
GGATGGCGGGGCTAGTAGTACCGGCAGCCGCGACCTGNGTGCAGCGCTGGCCGACTGGCC
TTTGTGGTACGCGGACTGGATGGACGGGCAGCTAGTAGAGAAGGGACGGCAGGATATGCG
ACAGCTGGCGCTGCGTCTGGCCTCGCTCTTCCCGCCCTTTTCAGCCGTGAGAACTACGGC
CGCCTGCGGCTCATCACCCAGTTCCAAGCACCGCTGCATGGATAGCAGCGCCGCCTTCCT
GCAGGGGCTGTGGCAGCACTACCACCCTGGCCTGCCGCCGCCGGACGTCGCAGATATGGA
GTTTGGACCTCCAACAGTTAATGATAAACTAATGAGAATTTTCTGACCCTGTGAAGAAGT
TTTCACCTGAAGTAGAAAAAAATGCTACAGCTCTTTATCACGTGGGAACCCTCCAAACGG
AACAGGATTGCCGAACATTTTAAAAAAAGTTGCACCTCCCTTGCCAGGGCCCGNAATGAT
TTAAAGCCGATTTATTCCAGAACCCTCTTC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_004897 unedited
ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAGTCACAAAAATTT
TCTTTATTATAGCAAATACTTTCACGGCATTTGACAGAACTCAGAACTATTTACAAAGAA
AGAAAGAAAAATCAAACAACCAAAAGATACATTTCATATAATAGGAAAATATAAAAATCG
AAGCCAAGTGACAGAATGAAAAAGTTAGCTAAGCAATGGATTTGAAAAACTTCGATTCTA
ACTATCTGACTTGTTGCTAATTGTCCAAACATATAATAATTTAAGATGGTCTTTTGAGAC
TTCCTAGAAGTAAAAAGGAATTATTGAAAAAATGTTCAAATATTTCATAAATAAATACCA
AAAATATTTATTTTCATTGTACTTTCCGACTTGCTTCAGTGAAGGTGTCCTTTTACAACA
CTCTGTTTCTTGTTTCAAATTCTCATCTGGAGATGTTACTTTCTTCCAGAGTGATACTCC
CAGCTTACCACAATATTCCTGATTAAGAAAATGCTAGAGCTGTCCTACCTGAGGAAAAGA
AGAGAGAACTGCAGAACAATCTGTAAAGTTCCTAGACAGTTCAATCAAGTTAAGGATGGT
CCAACTGAGATATTTTGTTACTCCAGCACTTTTCAAGTGTTATTATGAAACACAATTCTA
TCTCAGTGTGAGATTTCCTATATAAGTAGGGAAGAATTCATTTCTAGAAACATTTGCAGG
GCCAGCCGTTTCTCTAAAAAGATTTGGTTCTCCTTAAGAGAGCGGCTCCAGAGAAAAAAC
CTTTTCTTACATTTAATGGGCCAACCCCAAAAAGAAACCCAAGGTTTTTCTTGGGAAAAG
AACCAACATACTTAGTGATTTATAAGACTCCCTCGGAATAAGGAATTGCCTCACTATTAC
AAGCGGTGGGACCCTCCTGCGCCCATTCTAAATAAACACAAACGGGCCCNACGCACCCCC
GTTACTCCAAGGCCGG
```

Restriction Sites: NotI-NotI

ACCN: NM_004897

Insert Size: 2500 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: NM_004897.2, NP_004888.2

RefSeq Size: 2412 bp

RefSeq ORF: 1464 bp

Locus ID: 9562

UniProt ID: Q9UNW1

Cytogenetics: 10q23.2

Domains: acid_phosphat

Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism
Gene 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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.