

## Product datasheet for RC229832

### MINPP1 (NM\_001178118) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MINPP1 (NM_001178118) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MINPP1
Synonyms:	HIPER1; MINPP2; MIPP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229832 representing NM_001178118 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGCTTATTTTCAGCTGTGCGGATTAGTAAGATATATGGAGTTTGGACCTCCAACAGTTAATGATAAAC  
TAATGAGATTTTTGATCACTGTGAGAAGTTTTAACTGAAGTAGAAAAAATGCTACAGCTCTTTATCA  
CGTGGAAGCCTTCAAACCTGGACCAGAAATGCAGAACATTTAAAAAAGTTGCAGCTACTTTGCAAGTG  
CCAGTAAATGATTTAAATGCAGATTTAATCAAGTAGCCTTTTTCACCTGTTTATTGACCTGGCAATTA  
AAGGTGTTAAATCTCCTTGGTGTGATGTTTTGACATAGATGATGCAAAGGTATTAGAATATTTAAATGA  
TCTGAAACAATATTGGAAAAGAGGATATGGGTATACTATTAACAGTCGATCCAGCTGCACCTTGTTTCAG  
GATATCTTTTCAGCACTTGACAAAGCAGTTGAACAGAAACAAAGGTCTCAGCCAATTTCTTCCAGTCA  
TCCTCCAGTTTGGTCATGCAGAGACTCTTCTTCCACTGCTTTCTCTCATGGGCTACTTCAAAGACAAGGA  
ACCCCTAACAGCGTACAATTACAAAAACAAATGCATCGGAAGTCCGAAGTGGTCTCATTGTACCTTAT  
GCCTCGAACCTGATATTTGTGCTTTACCACTGTGAAAATGCTAAGACTCCTAAAGAACAATTCGAGTGC  
AGATGTTATTAATGAAAAGGTGTTACCTTTGGCTTACTACAAGAACTGTTTCATTTTATGAAGATCT  
GAAGAACCCTACAAGGACATCCTTCAGAGTTGTCAAACCAAGTGAAGAATGTGAATTAGCAAGGGCTAAC  
AGTACATCTGATGAACATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229832 representing NM\_001178118  
 Red=Cloning site Green=Tags(s)

MCLFQLCGLVRYMEFGPPTVNDKLMRFFDHCEKFLTEVEKNATALYHVEAFKTPGPEMQNILKKVAATLQV  
 PVNDLNADLIQVAFFTCDFDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGTINSRSSCTLFQ  
 DIFQHLDKAVEQKQRSQPISSPVILQFGHAETLLPLL SLMGYFKDKEPLTAYNYKKQMRKFRSGLIVPY  
 ASNLI FVLYHCENAKTPKEQFRVQMLLNEKVLPLAYSQETVSVFYEDLKNHYKDILQSCQTSEECELARAN  
 STSDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8049\\_d11.zip](https://cdn.origene.com/chromatograms/mk8049_d11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001178118

**ORF Size:** 858 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001178118.1](#), [NP\\_001171589.1](#)

**RefSeq ORF:** 861 bp

**Locus ID:** 9562

**UniProt ID:** [Q9UNW1](#)

**Cytogenetics:** 10q23.2

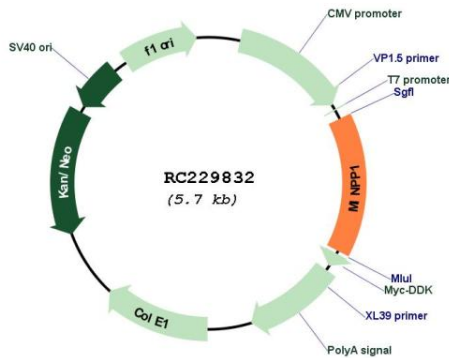
**Protein Families:** Druggable Genome

**Protein Pathways:** Inositol phosphate metabolism

**MW:** 33.6 kDa

**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 hydrolyze 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]

**Product images:**



Circular map for RC229832