

## Product datasheet for **RG229866**

### MINPP1 (NM\_001178117) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MINPP1 (NM\_001178117) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MINPP1  
**Synonyms:** HIPER1; MINPP2; MIPP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229866 representing NM\_001178117  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTACGCGCGCCGGCTGCCTCCTCCGGACCTCCGTAGCGCCTGCCGCGCCCTGGCTGCGGCGCTGC  
TCTCGTCGCTTGC GCGCTGCTCTTTCTAGAGCCGAGGGACCCGGTGGCCTCGTCGCTCAGCCCCTATTT  
CGGCACCAAGACTCGCTACGAGGATGTCAACCCGTGCTATTGTCGGGCCCGAGGCTCCGTGGCGGGAC  
CCTGAGCTGCTGGAGGGACCTGCACCCCGGTGCAGCTGGTCGCCCTCATTGCCACGGCACCCGCTACC  
CCACGGTCAAACAGATCCGCAAGCTGAGGCAGCTGCACGGTTGCTGCAGGCCCGCGGGTCCAGGGATGG  
CGGGGCTAGTAGTACCGGCAGCCGACCTGGGTGCAGCGCTGGCCGACTGGCCTTTGTGGTACGCGGAC  
TGGATGGACGGGCAGCTAGTAGAGAAGGGACGGCAGGATATGCGACAGCTGGCGCTGCGTCTGGCCTCGC  
TCTTCCGGCCCTTTTCAGCCGTGAGAACTACGGCCGCTGCGGCTCATCACCAGTTCCAAGCACCGCTG  
CATGGATAGCAGCGCCGCTTCTGCAGGGGCTGTGGCAGCACTACCACCTGGCTTGGCCGCCCGGGAC  
GTCGCAGATATGGAGTTTGGACCTCAAACAGTTAATGATAAACTAATGAGATTTTTTATCACTGTGAGA  
AGTTTTTAACTGAAGTAGAAAAAATGCTACAGCTTTTATCACGTGGAAGCCTTCAAACCTGGACCAGA  
AATGCAGAACATTTTAAAAAAGTTGCAGCTACTTTGCAAGTGCCAGTAAATGATTTAAATGCAGGTCTC  
AGCCAATTTCTTCCAGTCATCCTCCAGTTTGGTCATGCAGAGACTCTTCTTCCACTGCTTTCTCTCAT  
GGGCTACTTCAAAGACAAGGAACCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG229866 representing NM\_001178117  
 Red=Cloning site Green=Tags(s)

MLRAPGCLLRTSVAPAAALAAALLSSLARCSLLEPRDPVASSLSPYFGTKTRYEDVNPVLLSGPEAPWRD  
 PELLEGCTPVQLVALIRHGTRYPTVKQIRKLRQLHGLLQARGSRDGGASSTGSRDLGAALADWPLWYAD  
 WMDGQLVEKGRQDMRQLALRLASLFPALFSRENYGRLRLITSSKHRCMDSSAAFLOGLWQHYHPGLPPP  
 VADMEFGPPTVNDKLMRFFDHCEKFLTEVEKNATALYHVEAFKTPGEMQNILKKVAATLQVPVNDLNAGL  
 SQFLLQSSSLVMQRLFFHCFLSWATSKTRNP

TRTRPLE - GFP Tag - V

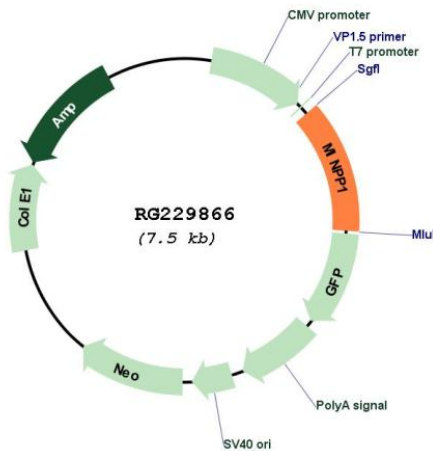
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001178117

**ORF Size:** 936 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001178117.1</a> , <a href="#">NP_001171588.1</a>
<b>RefSeq Size:</b>	2674 bp
<b>RefSeq ORF:</b>	939 bp
<b>Locus ID:</b>	9562
<b>UniProt ID:</b>	<a href="#">Q9UNW1</a>
<b>Cytogenetics:</b>	10q23.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Inositol phosphate metabolism
<b>Gene Summary:</b>	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]