

## Product datasheet for **RG207581**

### **MINPP1 (NM\_004897) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MINPP1 (NM_004897) 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)



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**ORF Nucleotide Sequence:**

>RG207581 representing NM\_004897  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTACGCGCGCCCGGCTGCCTCCTCCGACCTCCGTAGCGCCTGCCGCGGCCCTGGCTGCGGCGCTGC  
 TCTCGTCGCTTGGCGCTGCTCTCTTCTAGAGCGAGGGACCCGGTGGCCTCGTCGCTCAGCCCCTATTT  
 CGGCACCAAGACTCGCTACGAGGATGTCAACCCCGTGCTATTGTGCGGGCCCCGAGGCTCCGTGGCGGGAC  
 CCTGAGCTGCTGGAGGGGACCTGCACCCCGGTGCAGCTGGTGCCTCATTTCGCCACGGCACCCGCTACC  
 CCACGGTCAAACAGATCCGCAAGCTGAGGCAGCTGCACGGTTGCTGCAGGCCCGCGGGTCCAGGGATGG  
 CGGGGCTAGTAGTACCGGCAGCCGACCTGGGTGCAGCGCTGGCCGACTGGCCTTTGTGGTACGCGGAC  
 TGGATGGACGGGACGCTAGTAGAAAAGGGACGGCAGGATATGCGACAGCTGGCGTGCCTGCTGCCTCGC  
 TCTTCCCGGCCCTTTTCAGCCGTGAGAACTACGGCCGCTGCGGCTCATCACCAGTTCCAAGACCCTG  
 CATGGATAGCAGCGCCGCTTCTGCAGGGGCTGTGCAGCACTACCACCCTGGCTTGCCTGCCCGCCGGAC  
 GTCGACAGATATGGAGTTTGGACCTCCAACAGTTAATGATAAACTAATGAGATTTTTTATGACTGTGAGA  
 AGTTTTTAACTGAAGTAGAAAAAATGCTACAGCTCTTATCACGTGGAAGCCTTCAAACTGGACCAGA  
 AATGCAGAACATTTTAAAAAAGTTGCAGCTACTTTGCAAGTGCCAGTAAATGATTTAAATGCAGATTTA  
 ATCAAGTAGCCTTTTTACCTGTTTCAATTTGACCTGGCAATTAAGGTGTTAAATCTCCTTGGTGTGATG  
 TTTTGTACATAGATGATGCAAAGGATTAGAATATTTAAATGATCTGAAACAATATTGAAAAAGAGGATA  
 TGGGTACTACTATTAACAGTCGATCCAGCTGCACCTTGTTCAGGATATCTTTCAGCACTGGACAAAACA  
 GTTGAACAGAAAACAAAGGTCTCAGCCAATTTCTTCCAGTCATCCTCCAGTTTGGTCATGCAGAGACTC  
 TTCTTCCACTGCTTCTCTCATGGGCTACTTCAAAGACAAGGAACCCCTAACAGCGTACAATTACAAAA  
 ACAAAATGCATCGGAAGTCCGAAGTGGTCTCATTGTACCTTATGCCTCGAACCTGATATTTGTGCTTAC  
 CACTGTGAAAATGCTAAGACTCCTAAAGAACAATTCAGTGCAGATGTTATTAATGAAAAGGTGTTAC  
 CTTTGGCTTACTCACAAGAACTGTTTCAATTTTATGAAGATCTGAAGAACCCTACAAGGACATCCTTCA  
 GAGTTGTCAAACAGTGAAGAATGTGAATTAGCAAGGGCTAACAGTACATCTGATGAACTA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG207581 representing NM\_004897  
 Red=Cloning site Green=Tags(s)

MLRAPGCLLRTSVAPAAALAAALLSSLARCSLLEPRDPVASSLSPYFGTKTRYEDVNPVLLSGPEAPWRD  
 PELLEGTCTPVQLVALIRHGTRYPTVKQIRKLRQLHGLLQARGSRDGGASSTGSRDLGAALADWPLWYAD  
 WMDGQLVEKGRQDMRQLALRLASLFPALFSRENYGRLRLITSSKHRCMDSSAAFLOGLWQHYHPGLPPP  
 VADMEFGPPTVNDKLMRFFDHCEKFLTEVEKNATALYHVEAFKTGPEMQNILKKVAATLQVPVNDLNADL  
 IQVAFFTCSDLAIKGVKSPWCDVFDIDDAKVLEYLNDLKQYWKRGYGYTINSRSCTLFQDIFQHLDKA  
 VEQKQRSQPISSPVILQFGHAETLLPLLSLMGYFKDKEPLTAYNYKQMRKFRSGLIVPYASNLIFVLY  
 HCENAKTPKEQFRVQMLLNEKVLPLAYSQETVSFYEDLKNHYKDILQSCQTSEECELARANSTSEDEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<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_004897.2</a> , <a href="#">NP_004888.2</a>
<b>RefSeq Size:</b>	2412 bp
<b>RefSeq ORF:</b>	1464 bp
<b>Locus ID:</b>	9562
<b>UniProt ID:</b>	<a href="#">Q9UNW1</a>
<b>Cytogenetics:</b>	10q23.2
<b>Domains:</b>	acid_phosphat
<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]