

## Product datasheet for **SC128220**

### INPP1 (NM\_002194) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	INPP1 (NM_002194) Human Untagged Clone
Tag:	Tag Free
Symbol:	INPP1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002194, the custom clone sequence may differ by one or more nucleotides

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ATGTCAGATATCCTCCGGGAGCTGCTCTGTGTCTCTGAGAAGGCTGCTAACATTGCCCGGGCGTGCAGAC
AGCAGGAAGCCCTCTCCAGCTGCTGATCGAAGAAAAGAAAGAGGGGAGAAAAGAACAAGAAGTTTGCAGT
TGACTTCAAGACGCTGGCTGATGTACTGGTACAGGAAGTTATAAAACAGAATATGGAGAACAAGTTTCCA
GGCTTGGAAAAAATATTTTTGGAGAAGAATCCAATGAGTTTACTAATGACTGGGGGAAAAGATTACCT
TGAGGTTGTGTTCAACAGAGAGGAAACAGCAGAGCTTCTTAGCAAAGTCCTCAATGGTAACAAGGTGGC
ATCTGAAGCATTAGCCAGGGTTGTTTCATCAGGATGTTGCCTTTACTGACCCAACCTGGATTCCACAGAG
ATCAATGTTCCACAGGACATTTTGGGAATTTGGGTGGACCCCATAGATTCAACTTATCAGTATATAAAAG
GTTCTGCTGACATTAATCCAACCAGGGAATCTCCCTGTGGACTTCAGTGTGTCACCATTTTAATTGG
TGTCTATGACATACAGACAGGGTTCCCTGATGGGAGTCATCAATCAACCTTTTGTGTCACGAGATCCA
AACACCTCAGGTGAAAGGACAGTGCTATTGGGGCCTTCTTACATGGGGACCAACATGCATTCCTAC
AGCTCACCATCTCTAGAAGAAACGGCAGTGAAACACACACTGAAACACCGGCTCTGAGGCAGCATTCTC
CCCCAGTTTTTCAGCCGTAATTAGTACAAGTAAAAGGAGACTATCAAAGCTGCATTGTCACGTGTGTGT
GGAGATCGCATATTTGGGGCAGCTGGGGCTGGTTATAAGAGCCTATGTGTTGTCCAAGGCCTCGTTGACA
TTTACATCTTTTCAGAAGATACCACATTCAAATGGGACTCTTGTGCTGCTCATGCCATACTGAGGGCCAT
GGGTGGGGGAATAGTAGACTTGAAGAATGCTTAGAAAGAAATCCAGAAACAGGGCTTGATTTGCCACAG
TTGGTGTACCACGTGAAATGAGGGTGTGCTGGGGTGGATCGGTGGCCAACAAGGGAGGACTCATTG
CATACAGATCCAGGAAGCGGCTGGAGACATTCCTGAGCCTCCTGGTCCAAAACCTGGCACCTGCAGAGAC
GCATACCTAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002194 unedited</p> <pre> AAAAAAAAAAAAAAAAAAAAAAAAANNCAGANNGGTTTCGNAATTTGTCATACGACTCATA TAGGCGGCCGGCTTCGACCCACCCAGGTCCTCCGCGCCGCTGCCCTCCTCTTGGATCT GGGGCCCGGGTGGTGAGCGCGCGCGCTCGCTCTCCGCGGGTAGGTGAGTCGATGG CGCCGGGAGGGTCTCTCGCTCTGCGCGCCGCTGCGAGGTCCTGCCCGGCAGCGAG GCCGCCCGGGCCGGCCCGCCAGGCATGCCCGGCATCGCCGCTGCAGCCAGCGCGGAG GGGAGCTCCTGACGGCCAGAGGGTGGGTGCCAATTCACCAGCAGCTGCAACTGAAAAA CAAGGTTCAAAAATGTCAGATATCCTCCGGGAGCTGCTCTGTGTCTCTGAGAAGGCTGCT AACATTGCCCGGGCTGCAGACAGCAGGAAGCCCTCTTCCAGCTGCTGATCGAAGAAAAA AAAGAGGGAGAAAAACAAGAAGTTTGCAGTTGACTTCAAGACGCTGGCTGATGTACTG GTACAGGAAGTTATAAACAGAAATATGGAGAACAAGTTTCCAGGCTTGGAAAAAATATT TTTGGAGAAGAATCCAATGAGTTTACTAATGACTGGGGGAAAAGATTACCTTGAGGTTG TGTTACAGAGGAGAAACAGCAGAGCTTCTTAGCAAAGTCTCAATGGTAACAAGGTGG CATCTGAAGCATTAGCCAGGTTGTTTCATCAGGATGTTGCCTTTACTGACCCAACCTGG ATTCACAGAGATCATGTTCCACAGACATTTTGGGAATTGGGTGGACCCCTTAATCACTT ATTATTTAAAGAGTCTGTTGACATAAACCCCCAGGAATCTCCCTGTGACTTAAGGGTCC CATTTAATGGGGCTAGACTACAAAAGGGT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002194 unedited</p> <pre> ATTTTCATTGGCAAATGTTTNCAGGCAGNNCACTAACAGNCACAATATTNCACTGGTAG AAATTTACATACCAATATAATTGCTGCATGAATGTCATTTATTGAAATTAACATTATTA TGAATACATAATGGGAAAAATACTCCTCAAAGAGGAAGGTGAATGTTAACAGCAACAG GACAAAGCCATCCTCAAAGACAGAGATAACCGAAACAGTTTACAGTTCAAGTTTATACA GGTACACCGGGTTAGAGTTCTCTAGGTATGCGTCTCTGCAGGTGCCAGGTTTTGGACC AGGAGGCTCAGGAATGTCTCCAGCCGCTTCTGGATCTGTATGCAATGAGTCCTCCCTTG TTGGCCCAACCGATCCACCCAGCAGCACCTCATTTTCCACGTGGTACACCAACTGTGGC AAATCAAGCCCTGTTTCTGGATTTCTTTCTAAGCATTCTTTCAAGTCTACTATTTCCCA CCCATGGCCCTCAGTATGGCATGAGCAGCACAAGAGTCCCATTTGAATGTGGTATCTTCT GAAAAGATGTAATGTCAACGAGGCCTTGACAACACATAGGCTCTTATAACCAGCCCCA GCTGCCCAAAATATGCGATCTCCACACACAGTACAATGCAGCTTTGATAGTCTCCTTT TCACTTGTACTAATTACGGCTGANAACTGGGGGAGAATGCTGCCTCAGAGCCGGTGTTT CCAGTGTGTGTTCACTGCCGTTTCTTCTAGAATGGTGAGCTGTAGTGAATGCATGTGGN TCCCCATGTAAGAAAGGCCCAATAGCACTGTCCTTTTCACTGAGGNNTGTTGGATCTC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002194
<b>Insert Size:</b>	1800 bp
<b>OTI Disclaimer:</b>	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).
<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_002194.2</a> , <a href="#">NP_002185.1</a>
<b>RefSeq Size:</b>	1682 bp
<b>RefSeq ORF:</b>	1200 bp
<b>Locus ID:</b>	3628
<b>UniProt ID:</b>	<a href="#">P49441</a>
<b>Cytogenetics:</b>	2q32.2
<b>Domains:</b>	inositol_P
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
<b>Gene Summary:</b>	<p>This gene encodes the enzyme inositol polyphosphate-1-phosphatase, one of the enzymes involved in phosphatidylinositol signaling pathways. This enzyme removes the phosphate group at position 1 of the inositol ring from the polyphosphates inositol 1,4-bisphosphate and inositol 1,3,4-trisphosphate. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.</p>