

## Product datasheet for **SC115156**

### **NIPP1 (PPP1R8) (NM\_014110) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NIPP1 (PPP1R8) (NM_014110) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPP1
Synonyms:	ARD-1; ARD1; NIPP-1; NIPP1; PRO2047
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014110, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCAGCCGCGAACTCCGGCTCTAGCCTCCCGCTGTTTCGACTGCCAACCTGGGCAGGTAAGCCCC
CTCCCGGTTTACATCTGGATGTAGTCAAAGGAGACAACTAATTGAGAACTGATTATTGATGAGAAGAA
GTATTACTTATTTGGGAGAAACCCTGATTTGTGTGACTTTACCATTGACCACCAGTCTTGCTCTCGGGTC
CATGCTGCACTTGTCTACCACAAGCATCTGAAGAGAGTTTTCTGATAGATCTCAACAGTACACACGGCA
CTTTCTTGGGTCACATTCGGTTGGAACCTCACAAGCCTCAGCAAATCCCATCGATTCCACGGTCTCATT
TGGCGCATCCACAAGGCATACACTCTGCGCGAGAAGCCTCAGACATTGCCATCGGCTGTGAAAGGAGAT
GAGAAGATGGGTGGAGAGGATGATGAACTCAAGGGCTTACTGGGGCTTCCAGAGGAGGAAACTGAGCTTG
ATAACCTGACAGATTCAACACTGCCACAACAAGCGGATTTCTACCCTTACCATTGAGGAGGAAATCT
GGACATTCAAAGACCAAAGAGGAAGAGGAAGAAGCAAGCAAGGCTGACATTCAGTGAGGATGATGAGATCATC
AACCCAGAGGATGTGGATCCCTCAGTTGGTTCGATTGAGGAACATGGTGCAAACCTGCAAGTGGTCCCAGTCA
AGAAGAAGCGTGTGGAGGGCCCTGGCTCCCTGGGCCTGGAGGAATCAGGGAGCAGGCGCATGCAGAACTT
TGCCTTCAGCGGAGGACTCTACGGGGCCCTGCCCCCACACAGTGAAGCAGGCTCCAGCCACATGGC
ATCCATGGGACAGCACTCATCGGTGGCTTGCCCATGCCATACCCAAACCTTGCCCTGATGTGGACTTGA
CTCCTGTTGTGCCGTGAGCAGTGAACATGAACCCTGCACCAAACCTGCAGTCTATAACCCTGAAGCTGT
AAATGAACCCAAGAAGAAGAAATATGCAAAGAGGCTTGGCCAGGCAAGAAGCCACACCTTCCTTGCTG
ATTTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014110 unedited  AACCTGGTGAAGGGCGGCTCTTTTTTACTTTTCTGCTGCGAGCCGAAACGGCTCAGAAACCCCGGAA  TGGTTGAGGAAAACTGTTTGTGCACCGGGCCGGGCGACGTGTTGAAGAACCGAGAGCC  TGGAGCCCAGGCCAGGAACTGAAGAAACCCGGGTTGGGGCTCAAAGGCGCTCACTTA  GGCAGCCCCTTTGAGCGATTAGCCAGTCGCCGGAGCGCTTCGAGGCCTTGGCCCGAACT  ACGCCAACTCTTGACTGAGTGCCTGGTCTCTCGTGGAGCATCGCATCTGGCCCTTCC  TGTACGTCCCGAGCGCTCGAGCCAGCCCGGCCCAACCCTACCTCCAAGCCCGCAT  CCCTCTGTGGTTGCTGCATCCCTCGTGGCCTTGTCTGTCTGCCACAGAGAACACGAG  GGGAGGTAAGCCCTCCCGTTTACATCTGGATGTAGTCAAAGGAGACAACTAATTG  AGAACTGATTATTGATGAGAAGAAGTATTACTTATTTGGGAGAAACCCTGATTTGTGTG  ACTTTACCATTGACCACAGTCTTGCTCTCGGGTCCATGCTGCACTTGTCTACCACAAGC  ATCTGAAGAGAGTTTTCTGATAGATCTCACAGTAAACCTGACAGAGTTCACACTGCCCA  CACAAGCGGATNTCTACCCTTACATTNGAGAGGNAATCTGGACATTCAAGACCAAGAGGA  GAGGAGAC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_014110 unedited  TTAATCTACAATGTAATAAAGGTTACAGNGTAAAAAGCTACACATAAAGCATGAAAAGGC  CTATTACACAAATGTACAAATCTCTGTACAAAGCTTGTATCAATGTTTCTAACTTTGTC  TCCTATGTTTGTAGCCAGGCTAGTCTTGGAGCTCTGAATAACAAGAGCTCTCAATTGA  GGGGGAAAGAGCCTCCAACTGACATCTAAAAATTCCTCTTAGAGACACCAGTACTTC  CAAACAAATCTTTTCTTTTAAATTTGAATTACCCCACTGGTCATATCCTTTGAAAAC  GCCTTCATAATACTTAAAAGTAAATGCCTTAGAGTAGAGGACAGTACTCTGGAATTA  TAAGAACTTCAGCAGGAGGAGTCTCAGGTTTACAAGAAAAACAGGTAATTTCAAAC  AATACTGTAAGTTAAAACATAAACCTGTGTCTATGGCACCAGTACAGATGAAGGAAAA  TCGAAATGTTTTATTCCAACAGGAAGGACAAAAGAGAAAAGCCTAGCTACTGGACCTCA  AAACACTGACCAAGGAAACATNTTTAGTTTAAACCTCAGCTTAACTGCAGAAATTCTA  AGCCTTCTTTTATGATCAAACAGATCTATGGCAACCTTCTGCTACCCGGGACTTGGAA  GGATAGTGAATATAAATTANGCTCTGGACCCCAAGCTGGTGTGCTACTGTAACCTCTA  CAGCTCTGAATTCACCTGAGGCCTGGGATATGTGACTTTACTTAAATTGATCCTAGAAG  TGGAGAAAGAATGAAGTATGGGACGCCTCAGAAGAGCCAGGCGCTTTTTGAAAGGATTT  AGAGCCTTTCTTTACATGCCAGGTTGTGGAGACCGTCTTTATGGCTTTTTACCCACC  CCAATGGCATTACTTGGTTGGAGGCCGAACTTTTGAAGTACCGGCCACTGGAAGT  GTTCTTCTATTAATAGATCCATAACCTTCCACCATTTCACCAATCCCCCTTTCTGACA  AAAATAAG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014110
<b>Insert Size:</b>	2660 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_014110.3</a> , <a href="#">NP_054829.2</a>
<b>RefSeq Size:</b>	2336 bp
<b>RefSeq ORF:</b>	1056 bp
<b>Locus ID:</b>	5511
<b>UniProt ID:</b>	<a href="#">Q12972</a>
<b>Cytogenetics:</b>	1p35.3
<b>Domains:</b>	FHA
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein phosphatases and can bind but not cleave RNA. The third protein isoform lacks the phosphatase inhibitory function but is a single-strand endoribonuclease comparable to RNase E of E. coli. This isoform requires magnesium for its function and cleaves specific sites in A+U-rich regions of RNA. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the shortest transcript but encodes the predominant and longest isoform (alpha). Isoform alpha contains protein phosphatase inhibitory activity.</p>