

Product datasheet for **SC109604**

NIPP1 (PPP1R8) (NM_138558) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPP1 (PPP1R8) (NM_138558) 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: >OriGene ORF sequence for NM_138558 edited
 AGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTC
 AGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGCAAGATGGCG
 GCAGCCGCGAACTCCGGCTCTAGCCTCCCGCTGTTTCGACTGCCAACCTGGGCAGGTAAG
 CCCCTCCCGTTTACATCTGGATGTAGTCAAAGGAGACAACTAATTGAGAAACTGATT
 ATTGATGAGAAGAAGTATTACTTATTTGGGAGAAACCTGATTTGTGACTTTACCATT
 GACCACCAGTCTTGCTCTCGGGTCCATGCTGCACTTGTCTACCACAAGCATCTGAAGAGA
 GTTTTCTGATAGATCTCAACAGTACACACGGCACTTTCTTGGGTACATTTCGGTTGGAA
 CCTCACAAGCCTCAGCAAATCCCATCGATTCCACGGTCTCATTGGCGCATCCACAAGG
 GCATACACTCTGCGCGAGAAGCCTCAGACATTGCCATCGGCTGTGAAAGGAGATGAGAAG
 ATGGGTGGAGAGGATGATGAACTCAAGGGCTTACTGGGGCTTCCAGAGGAGGAACTGAG
 CTTGATAACCTGACAGAGTTCAACACTGCCACAACAAGCGGATTCTACCCTTACCATT
 GAGGAGGGAAATCTGGACATTCAAAGACCAAAGAGGAAGGAAGAACTCACGGGTGACA
 TTCAGTGAGGATGATGAGATCATCAACCCAGAGGATGTGGATCCCTCAGTTGGTCGATTC
 AGGAACATGGTGCAAACCTGCAGTGGTCCCAGTCAAGAAGAAGCGTGTGGAGGGCCCTGGC
 TCCCTGGGCCTGGAGGAATCAGGGAGCAGGCGCATGCAGAACTTTGCCTTCAGCGGAGGA
 CTCTACGGGGCCTGCCCCCACACACAGTGAAGCAGGCTCCAGCCACATGGCATCCAT
 GGGACAGCACTCATCGGTGGCTTGCCATGCCATACCCAAACCTTGCCCCGTGATGTGGAC
 TTGACTCTGTTGTGCCGTCAGCAGTGAACATGAACCTGCACCAAACCTGCAGTCTAT
 AACCTGAAGCTGTAATGAACCCAAGAAGAAGAAATATGCAAAAAGAGGCTTGGCCAGGC
 AAGAAGCCACACCTTCTTGCTGATTTGATTTTTGGTCATGGAGAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_138558 unedited TTTCCCGCCCGTTGNCGCATAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATATAAGCA GAGCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGCGAA TTCGGCACCAGCAAGATGGCGGCAGCCGCGAACTCCGGCTCTAGCCTCCCGCTGTTTCGAC TGCCCAACCTGGGCAGGTAAGCCCCCTCCCGGTTACATCTGGATGTAGTCAAAGGAGAC AAATAATTGAGAACTGATTATTGATGAGAAGAAGTATTACTTATTTGGGAGAAACCTT GATTTGTGTGACTTTACCATTGACCACCACTTGTCTCGGGTCCATGCTGCCTTGTCTC TACCACAAGCATCTGAAGAGAGTTTTCTGATAGATCTCAACAGTACACACGGCACTTTC TTGGGTACACATTCGGTTGGAACCTCACAAAGCCTCAGCAAATTCATCGATTCCACGGTC TCATTTGGCGCATCCACAAGGGCATACTCTGCGCGAGAAGCCTCAGACATTGCCATCG GCTGTGAAAGGAGATGAGAAGATGGGTGGAGAGGATGATGAACTCAAGGGCTTACTGGGG CTTCCAGAGGAGGAACTGAGCTTGATAACCTGACAGAGTTCAACTGCCCAACAAG CGGATTTCTACCTTACCATTGAGGAGGAAATCTGGACATTCAAAGACCAAGAGGAAG AGGAAGAACTCACGGGTGACATTCAGTGAGGATGATGAGATCATCAACCCAGAGGATGTG GATCCCTCAGTTGGTCGATTCANGAACATGGTGCANACTGCAGTGGTCCCAGTCAAGAAA AAGCGTGTGGNAGCCCCCTGGNCTCCTGGGGCCTGGNAGAATCAGGNAGCANGCGCATGG CAGACTTTGCCTTCAGCGGAGGACTCTACGGGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_138558 unedited TCTTGAACCGCGCGCTTTCTAGGATCGAGTTTTTCTTTTTTTTTTTTTTTTTTTTTTTG ACAAAAAGTTACGTTTAAATTTACAATGTAATAAAGGTTACAGGTA AAAAGCTACACATAAA GCATGAAAAGGCCTATTACAAAATGTACAAATCTCTGTACAAAGCTTGTATCAATGTTT CCTAATTTGTCTCCTATGTTTGTAGCCAGGTCTAGTCTTGGAGCTCTGAATAACAAGA GCTCTCAATTGAGGGGGAAAGAGCCTCCAAACTGACATCTAAAAATTCCTTAGAGAC ACCAGTTACTTCAAACAATCTTTTCTTTTTAATTTGAATTACCCCAACTGGTCATAT CCTTTGAAAACCTGCCTTCATAATACACTTAAAAGTAATGCCTTAGAGTAGAGGACAGTAC TCTGGAATTAATAAGAAAACCTCAGCAGGAGGAGTGCTCAGGTTTGACAAGAAAAACAGG TAAATTTCAAACAATACTGTAAGTTAAAACATAAACCTGTGTCTATGGCACCAGTCACA GATGAAGGAAAAATCGAAATGTTTTCATTCCAACAGGAAGGACAAAAGAGAAAAAGCCTAGC TACTGGACCTCAAACCCTGACCCAAGGAAACATTTTTAGTTTAAACCTCAGCTTAAC TGCAGAATTCTAAGCCTCTTTTTGATCAAACCTGAGATCTATGGCAACCTTCTGTACTC CGGGACTTGGAAGGATAGTGAATAAAATTAGGCTCTGGACCCCAAGGCTGGTGTACT ACTGTAACCTCTACAGCTCTGGATTCAACCTGAGGGCCTGGGATATGTACTTTCATAAA AATGATCTAGAAAAGTGAGAAAAAAGGAGGTAGTGNAAGCCCTAGAAAAGACCAGG CAGTCTATTGTAAGGATATAGAACCCTTCTCTACATGCAGTGGTGTGAAAACAGTCTT TTGGGCTATTCAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_138558
Insert Size:	2250 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_138558.1 , NP_612568.1
RefSeq Size:	2691 bp
RefSeq ORF:	630 bp
Locus ID:	5511
UniProt ID:	Q12972
Cytogenetics:	1p35.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<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 (2) is the longest transcript and has its first exon longer at the 3' end as compared to that of transcript variant 1. The resulting isoform (beta/delta) uses a different translation start site and is N-terminally truncated as compared to isoform alpha encoded by variant 1. Isoform beta/delta contains protein phosphatase inhibitory activity.</p>