

## Product datasheet for **SC100940**

### NIPA2 (NM\_030922) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NIPA2 (NM_030922) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPA2
Synonyms:	SLC57A2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100940 sequence for NM_030922 edited (data generated by NextGen Sequencing)

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ATGAGCCAGGGCGTGGAAAATGACTTCTATATTGGTCTGGGATTGGCTATGAGCTCC
AGCATTTTCATTGGAGGAAGTTTCATTTTGAAAAAAGGCCTCCTTCGACTTGCCAGG
AAAGGCTCTATGAGAGCAGGTCAAGGTGGCCATGCATATCTTAAGGAATGTTGTGGTGG
GCTGGACTGCTGTCAATGGGAGCTGGTGGGAGGCAACTTCGCTGCGTATGCGTTTGCA
CCAGCCACTCTAGTGACTCCACTAGGAGCTCTCAGCGTGTAGTAAGTGCCATTCTTTCT
TCATACTTTCTCAATGAAAGACTTAATCTTCATGGGAAAATTGGGTGTTTGCTAAGTATT
CTAGGATCTACAGTTATGGTCATTCATGCTCAAAGGAAGAGGAGATTGAGACTTTAAAT
GAAATGTCTCACAAAGCTAGGTGATCCAGGTTTTGTGGTCTTTGCAACCCTTGTTGTCATT
GTGGCCTTGATATTAATCTTCGTGGTGGTCTCGCCATGGACAGACAAACATTCTGTG
TACATAACAATCTGCTCTGTAATCGGCGGTTTTCAAGTCTCCTGTGTGAAGGGCCTGGGC
ATTGCTATCAAGGAGCTGTTTGCAGGGAAGCCTGTGCTGCGGCATCCCCTGGCTTGGATT
CTGCTGCTGAGCCTCATCGTCTGTGTGAGCACACAGATTAATTACCTAAATAGGGCCCTG
GATATATTCAACACTTCCATTGTGACTCCAATATATTATGTAATCTTTACAACATCAGTT
TTAACTTGTTGAGTATCTTTTAAAGGAGTGGCAAGATATGCCTGTTGACGATGTCATT
GGTACTTTGAGTGGCTTCTTTACAATCATTGTGGGGATATTCTTGTGTCATGCCTTTAAA
GACGTGAGCTTTAGTCTAGCAAGTCTGCCTGTGCTTTTTGAAAAGACGAGAAAAGCAATG
AATGGCAATCTCTAATATGTATGAAGTTCTTAATAAATGAAGAAAGCTTAACCTGT
GGAATCGAACAACACTGGTAAAAATGTCTCCGAAAGAAATGGAATCTGACAGCTTTT
TAA

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Clone variation with respect to NM\_030922.6



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_030922 unedited</p> <pre> ATATTTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCGCTTCTCCATGG AGAGGGCGGTGCGAACGGCTTCAGCCCCGAATGCTCGCATCTCCCACTGGACGGCGACGAA GGCGGTGGCCGTGCGAGCGCAGGACTGGGCGGCCGTGTGTGGGGTGTGAGCCGCGGTGCC CAAGGCTGCGCCGGCAGGGGAAGCCGCGCGCCGGCCGCGCCACTAGGGTTTGAAGACT GCTTCATTCTGCCTCTAGTACCAGCGGTTTCTCTGTTCTGTGATCAATGTGATTCACAGG AACTCCTTAAGTAACAAACGAAATGAGCCAGGGCGTGGAAAATATGACTTCTATATTGG TCTGGGATTGGCTATGAGCTCCAGCATTTTCATTGGAGGAAGTTTCATTTTGAAAAAAA GGGCTCCTTCGACTTGCCAGGAAAGGCTCTATGAGAGCAGGTCAAGGTGGCCATGCATA TCTTAAGGAATGGTTGTGGTGGGCTGGACTGCTGTCAATGGGAGCTGGTGGGTCGCA CTTCGCTGCGTATGCGTTTGACCCAGCCACTCTAGTGACTCCCACTAGGAGCTCTCAGCGT GCTAGTAAGTGCCATTCTTCTCATACTTTCTCAATGAAAGACTTAATCTTCATGGGAA AATTGGGTGTTTGCTAAGTATTCTAGGATCTACAGTTATGGTCATTCATGCTCAAAGGA AGAGGAGATTGAGACTTTAATGAAATGTCTCACAGCTANGTGATCCANGTNTGTGGTNN CTTGACCCCTTGTGGTCATTGTGGCCTTGATATAAATCTCGTGGTGGGTCCTCGCCATGA CAGACAACATTCTGTGTACTAACAATCTGCTCTGNTATCGCGCGTTTTAGTCTCCTGTG TGAAGGGCCTGGCATTGCTATCAAGGACTGNNTGCAGGNAACCTGTGCTGCGGCTTTCC TGNCTTGGATTCTGCTGCTGAGCC </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_030922 unedited</p> <pre> NTTGGATATACTATGNNACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTT CATTTCAACTTTTTATTATAANCATGAGCTAAATTTAAGAAACAACCCTAGTCTTCTATT TCCCAGAGCTGTTCAAAGTCTAAATGACAATATAACTCATTATGAAAATATACTGAAAAG TACAAGAGCTGATGTAACCGGTAAATCAAGGTTCCAGGCATCATGGGATTAGGGTAACTG AAGAATAAACCCAGCCAGGCTGCAACAGCAGGCAGGATGTGCTGGCTTGATGAGGTGCTA AGGCCATCGAATGCTCAGAGGAAGCCGATTACCGGTGATCATCTCAACCTGAGAAATCG TTCCTTGGGGTGATTTCTGCCCTTTTTTTTGTGTTGTAAGAAAGAGGTTCCCTTCATTAG TAACCTAGTTTTCCCTTAATAAATATTTCAAAAATAAACCAATCATCATCAAACAAACA GGAGCCACTTTTGTAGGTAAGGTAATCACAGGATAATGTATTGGGATAACTCTGTTTTT TTAAAATAAAAAAGCCTTACATGGTCAGGGATTGATGGAGTGGGGATGACAAATGCACAT TTCAGACTTTTCATCACC AATGAAAAATAAAGCATTTTTCATAGACTTAAAACGTGATTA GTGCATTCGGCTTTTGGAGAAGGGATGAAAATGTAAAATACTTCTACAACAATAAAATGT TAAATAGAAATCGTCATGTGCTGAGGTCATTTTGTGAGTACCATTTGTTTTGTTAAAT ACAAGAAAATAATTTCTTGGTCCAAATAGTGAAATCCTTTAAAAGATTTGCCCTTAAAG AAACATCATTTGTAGACAATGTGTTTTTACACACACTTCTGATGATTTTAAATCACT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_030922
<b>Insert Size:</b>	2150 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).

**Reconstitution Method:**

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\\_030922.5](#), [NP\\_112184.4](#)

**RefSeq Size:** 2588 bp

**RefSeq ORF:** 1083 bp

**Locus ID:** 81614

**UniProt ID:** [Q8N8Q9](#)

**Cytogenetics:** 15q11.2

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a possible magnesium transporter. This gene is located adjacent to the imprinted domain in the Prader-Willi syndrome deletion region of chromosome 15. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 3, 7 and 21.[provided by RefSeq, May 2010]  
Transcript Variant: This variant (1) encodes the longer isoform (a). Variants 1, 2, 3 and 4 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.