

## Product datasheet for **SC321625**

### **NIPA2 (NM\_001008860) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NIPA2 (NM_001008860) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPA2
Synonyms:	SLC57A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001008860.1  
 TTTTCCTCGGCGCTTCTCCATGGAGGAGGCGGTGCGAACGGCTTCAGCCCCGAATGCTCG  
 CATCTCCCACTGGACGGCGACGAAGGCGGTGGCCGTGCGAGCGCAGGACTGGCGGCCTG  
 TGTGGGGTGTGAGCCGCGGTGCCAAGGCTGCGCCGGCAGGGGAAGCCGCGCGGCCGG  
 CCGGCCGACTAGGGTTGAAGACTGCTTCACTTCGCTTAGTACCAGCGGTTTCTCTGT  
 TCTGTGATCAATGTGATTCACAGGAACCTTAAGTAACAACGAAATGAGCCAGGGGCG  
 TGGAAAAATGACTTCTATATTGGTCTGGGATTGGCTATGAGCTCCAGCATTTTTCATTGG  
 AGGAAGTTTCATTTTGAAGAAAAAGGGCCTCCTCGACTTGCCAGGAAAGGCTCTATGAG  
 AGCAGGTCAAGGTGGCCATGCATATCTTAAGGAATGGTTGGTGGGCTGGACTGCTGTC  
 AATGGGAGCTGGTGGAGTGGCAACTTCGCTGCGTATGCGTTTGCACCAGCCACTCTAGT  
 GACTCCACTAGGAGCTCTCAGCGTGTAGTAAGTGCCATTCTTTCTCATACTTTCTCAA  
 TGAAAGACTTAATCTTCATGGGAAAAATGGGTGTTTGCTAAGTATTCTAGGATCTACAGT  
 TATGGTCATTCATGCTCCAAAGGAAGAGGAGATTGAGACTTTAAATGAAATGCTCACAA  
 GCTAGGTGATCCAGGTTTTGTGGTCTTTGCAACCCTTGTTGTCATTGTGGCCTTGATATT  
 AATCTTCGTGGTGGTCCCTCGCATGGACAGACAACATTCTTGTGTACATAACAATCTG  
 CTCTGTAATCGGCGCTTTTCAGTCTCCTGTGAAGGGCCTGGCATTGCTATCAAGGA  
 GCTGTTTGCAGGGAAGCCTGTGCTGCGGCATCCCCTGGCTTGGATTCTGCTGCTGAGCCT  
 CATCGTCTGTGTGAGCACACAGATTAATTACCTAAATAGGGCCCTGGATATATCAACAC  
 TTCCATTGTGACTCCAATATATTATGATTCTTTACAACATCAGTTTTAACTTGTTCAGC  
 TATTCTTTTTAAGGAGTGGCAAGATATGCTGTGACGATGTCATTGGTACTTTGAGTGG  
 CTCTTTACAATCATTGTGGGATATTCTTGTGTCATGCCTTTAAAGACGTCGGCTTTAG  
 TCTAGCAAGTCTGCTGTGCTTTTCGAAAAGACGAGAAAAGCAATGAATGGCAATCTCTC  
 TAATATGTATGAAGTTCTTAATAATAATGAAGAAAGCTTAACCTGTGGAATCGAACAACA  
 CACTGGTGAAAAATGCTCTCCCGAAGAAATGGAAATCTGACAGCTTTTTAAGAAAGGTGAA  
 TTAAGGTTAATCTGTGATTGTTATGAAGTGAATTTGAATATCATCAGAATGTGTCTGAA  
 AAAACATTGCTCCTCAAATAATGTTCTTTAAAGGCAATCTTTTAAAGATTTCACTAATTT  
 GGACCAAGAAATTACTTTTCTGTATTTAAACAAACAATGGTAGCTCACTAAAATGACCT  
 CAGCACATGACGATTTCTATTAACATTTTATTGTTGTAGAAGTATTTACATTTTCATCC  
 CTCTCCAAAAGCCGAATGCACTAATGACAGTTTTAAGTCTATGAAAATGCTTTATTTTT  
 TCATTGGTGATGAAAGTCTGAAATGTGCATTTGTCATCCCCTCATCAATCCCTGACC  
 ATGTAAGGCTTTTTATTTTAAAAAACAGAGTTATCCAATACATTATCCTGTGATTTA  
 CCTTACCTACAAAAGTGGCTCCTGTTTGTGTTGATGATGATTGGTTTTATTTTGAATAT  
 TTATTAAGGGAAACTAAGTTACTGAATGAAGGAACCTCTTTCTTACAAAACAAAAAAA  
 GGGCAGAAATCACCCCAAGGAACGATTTCTCAGGTTGAGATGATCACCGTGAATCCGGCT  
 TCCTCTGAGCATTGATGGCCTTAGCACCTCATCAAGCCAGCACATCCTGCTGCTGTTG  
 CAGCCTGGCTGGGTTTATTCTTCAGTTACCCTAATCCCATGATGCCTGGAACCTTGATTA  
 CCGTTTTACATCAGCTCTGTACTTTTCAGTATATTTTATAATGAGTTATATTGTCATT  
 TAGACTTTGAACAGCTCTGGGAAATAGAAGACTAGGGTTGTTTCTTAAATTTAGCTCATG  
 TTATAATAAAAAGTTGAAATGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001008860

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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>	<u><a href="#">NM_001008860.1</a></u> , <u><a href="#">NP_001008860.1</a></u>
<b>RefSeq Size:</b>	2466 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	81614
<b>UniProt ID:</b>	<u><a href="#">Q8N8Q9</a></u>
<b>Cytogenetics:</b>	15q11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. 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.</p>