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Product datasheet for SC301382

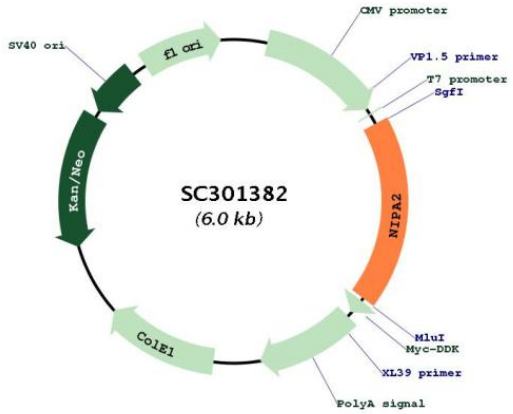
NIPA2 (NM_001008892) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIPA2 (NM_001008892) Human Untagged Clone
Tag:	Tag Free
Symbol:	NIPA2
Synonyms:	SLC57A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301382 representing NM_001008892. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGCCAGGGGCGTGGAAAATATGACTTCTATATTGGTCTGGGATTGGCTATGAGCTCCAGCATTTTC ATTGGAGGAAGTTTCATTTTGAAAAAAAAGGGCCTCCTTCGACTTGCCAGGAAAGGCTCTATGAGAGCA GGTCAAGGTGGCCATGCATATCTTAAGGAATGGTTGTGGTGGGCTGGACTGCTGTCAATGGGAGCTGGT GAGGTGGCCAACTTCGCTGCGTATGCGTTTGCACCAGCCACTCTAGTGACTCCACTAGGAGCTCTCAGC GTGCTAGTAAGTGCCATTCTTTCTTCATACTTTCTCAATGAAAGACTTAATCTTCATGGGAAAATTGGG TGTTTGCTAAGTATTCTAGGATCTACAGTTATGGTCATTCATGCTCCAAAGGAAGAGGAGATTGAGACT TTAAATGAAATGTCTCACAAGCTAGGTGATCCAGGTTTTGTGGTCTTTGCAACCCTTGTGGTCATTGTG GCCTTGATATTAATCTTCGTGGTGGGTCCTCGCCATGGACAGACAAACATTCTTGTGTACATAACAATC TGCTCTGTAATCGGCGCGTTTTCAGTCTCCTGTGTGAAGGGCCTGGGCATTGCTATCAAGGAGCTGTTT GCAGGGAAGCCTGTGCTGCGGCATCCCCTGGCTTGGATTCTGCTGCTGAGCCTCATCGTCTGTGTGAGC ACACAGATTAATTACCTAAATAGGGCCCTGGATATATTCAACACTTCCATTGTGACTCCAATATATTAT GTATTCTTTACAACATCAGTTTTAACTTGTTCAGCTATTCTTTTTAAGGAGTGGCAAGATATGCCTGTT GACGATGTCATTGGTACTTTGAGTGGCTTCTTTACAATCATTGTGGGGATATTCTTGTTGCATGCCTTT AAAGACGTCAGCTTTAGTCTAGCAAGTCTGCCTGTGTCTTTTCGAAAAGACGAGAAAGCAATGAATGGC AATCTCTCTAATATGTATGAAGTTCTTAATAATAATGAAGAAAGCTTAACCTGTGGAATCGAACAACAC ACTGGTGAAAATGTCTCCCGAAGAAATGGAAATCTGACAGCTTTTTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001008892
Insert Size:	1083 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).
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.
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:	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_001008892.2
RefSeq Size:	2994 bp
RefSeq ORF:	1083 bp
Locus ID:	81614

UniProt ID:	Q8N8Q9
Cytogenetics:	15q11.2
Protein Families:	Transmembrane
MW:	39.2 kDa
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 (3) 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.