

Product datasheet for **MC205557**

Nipa1 (NM_153578) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nipa1 (NM_153578) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nipa1
Synonyms:	1110027G09Rik; A830014A18Rik; FSP3; Spg6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055828
 GCGGCATGGGGACTGCGGCGGGCTGCGGCGGCCGGGAGGGGGCGCGGGCCCGAGCCCCGCCCGCT
 GTCGCTCGGCCTGGGCGTGGCTGTGGTGTCCAGCCTAGTGAACGGGTCCACGTTTCGTGCTGCAGAAGAAG
 GGCATTGTGCGCGCTAAAAGGCGAGGTACTTCTACCTAACAGACATTGTGTGGTGGGCTGGCACAATTG
 CAATGGCTGTGCGCCAGATTGAAACTTTCTAGCTTACTGCGGTCCCTACAGTCTGGTACTCCCTT
 AGGTGCCCTTGGAGTACCGTTTGGGTCCATTTAGCTTCTTACCTTCTGAAGGAAAAGCTCAACATTTTG
 GGCAAGTTGGGCTGTCTGCTAAGCTGCGCAGGTTCTGTCGTGCTGATCATCCATTCCTCCCGAAGTCTGAGA
 GTGTGACTACGCAGGCCGAGTTGGAGGAGAAGCTGACCAATCCAGTGTGGTGGCTACCTGTGCATCGT
 GCTGCTCATGCTGCTGTTGATCTTCTGGATCGCACCCAGCCACGGGCCACCAACATCATGGTCTAC
 ATCAGCATCTGCTCCTTGTGGGAGTTTCACTGTGCCTTCCACCAAGGGCATTGGGCTGGCAGCCCAAG
 ACATCTTGCAACAACATCCATCCAGTCAGAGAGCCCTCTGCCTGTGCCTGGTGTCTGGCTGTCTGGG
 CTGCAGCATCATTGTCCAATTCAGGTACATCAACAAGGCCCTGGAGTGTCTGACTCCTCTGTATTTGGG
 GCCATCTACTACGTTGTGTTTACCACGCTGGTCTACTGGCTTCCAGCCATCCTTCCGGGAGTGGAGCA
 ATGTGGGCTGGTGGACTTCTTGGGCATGGCTGTGGATTACAAGTGTCTCCGTGGGAATTGCCTCAT
 ACAAGTGTCAAAGAATCAACTCAACCTTGGAGAGATGAACAAATCCAATATGAAAACAGACTAAGAT
 GCAACCAAGGGTGGGGTTTGGAGAACAGGCATTGGAGGGGTCTGTGGTCTTACTACATGTCACGTA
 GAAGAGACTCTCGGTGAGCGTTGCCTGTGAACATAATCCAGTGGACAATAGGCTTTCACCAGGGTGA
 GGTCCAGACCTCTGCAGCACAGACTCCCGATGGTTGGTGGGTGTAACCTCTCTGATGAGACAAATT
 CTGTTTTCAATTCATTAACCTAGAAGCTTTCATTATTGATTGTTTAAAACATTTTAAACATGATTTACC
 AGAAGATAAGGATGAGTCTTCTAGTTAGTCTGTGTAGGGGAGCAGATTCTTAGAGTACCTTGGAAAAGG
 AAGTGAATCTGGCTCTCTACAGTAAACGTGAGTACTTGTGCTTGTGTTAAGCATGTCTAGCATTGAG
 GTATTTTACTCAAATAAGCGGTATGTGAATCGAGTTGTTTTAGTCTTTAACAACAGGCTCCTTACA
 TGTACCCCAAGCCGAGGTAAGCAGAGAGAGAGGATTAATGACAATGACGCAGAGTCCATCGACAGG
 GCGACTGTCCGATAGCTCACATCAGTTTTAGTGCCTTTATCATTGAAATATTTTAACTTAAATTTAACTA
 TTATTGTGATCATTGTTAACTGTTCTAATTACAGATACGTAAGTAGTTAGAAAAATACTATGGTCAGTG
 GAAGGTAGCAAAAATCTAAAGCTAGAGGACAATTTGAAAAGTGACCCAGATGTAGATTGCATCCAGTTA
 AGGACAAGTGAAGTATGAAGAGATTTAATTTGCACTTAACCTCTGTTACTTGGATTGATTATGAA
 AAACACCTGCTTCTGTTTCAGGCAGTATTGTGCCATTCAGAAGAAATAAAGTATTGAACCTGAAAAAA AAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_153578

Insert Size: 972 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:

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: [BC055828](#), [AAH55828](#)

RefSeq Size: 1899 bp

RefSeq ORF: 972 bp

Locus ID: 233280

UniProt ID: [Q8BHK1](#)

Cytogenetics: 7 B5

Gene Summary: Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Fe(2+), Sr(2+), Ba(2+), Mn(2+) and Co(2+) but to a much less extent than Mg(2+).[UniProtKB/Swiss-Prot Function]