

Product datasheet for **MR229472**

Nipa2 (NM_001256130) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nipa2 (NM_001256130) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nipa2
Synonyms: 2600017P10Rik; 3830408P04Rik; AB041581
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229472 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCCTGGGGCGTGGAAAATATGATTTTTATATTGGTCTGGGATTGGCTATGACCTCCAGCATTTTCA
TTGGAGGGAGTTTCATTTTGAAGGAAAGGCCTTCTGCGACTTGCCAGGAAAGGCTCAATGAGAGCAGG
TCAAGGAGGCCATGCATATCTTAAGGAATGGTTGGTGGGCTGGACTGCTGTCAATGGGAGCCGGTGAA
GTGGCCAATTTGCTGCATATGCATTTGCTCCGCCACATTAGTGACTCCACTAGGTGCGCTCAGCGTCC
TCGTAAGTGCCATTCTGTCTTCATACTCCTAAATGAAAGACTTAATCTTCATGGGAAAATTGGGTGTT
GCTAAGTATTCTAGGGTCTACAGTTATGGTCATTCATGCTCCAAAGGAAGAGGAGATTGAGACCTTAAAT
GAAATGTCACATAAGTTAGGTGATCCAGGTTTTGTGGTCTTTGCAACATTTGTGGTCATTGTGGCCTTGA
TATTCATCTTTGTGGTGGGACCTCGACATGGACAGACAAACATCTTGTGTATATAACAATCTGCTCTGT
GATTGGAGCATTTTCAGTCTCCTGTGTGAAGGGTTGGGTATCGCCATAAAAGAGTTGTTGGCTGGAAAAG
CCTGTTCTGCAGCACCCCTCGCCTGGATTCTTCTGTTTAGCCTTGTGGTCTGTGTGAGCACACAGATTA
ATTACCTAAACCGGGCTCTGGACATTTCAACACTTCCATTGTGACTCCAATATATTATGTGTTCTTTAC
AACTTCAGTTTTGACTTGTTCAGCTATTCTTTTAAAGAATGGCAGGATATGCCTGTTGATGATGCATT
GGGACTTTGAGTGGCTTCTTCACAATCATTGTGGGGATATTTTTGTTGCATGCCTTTAAAGATGTCAGTT
TTAGTCTAGCAAGTCTGCCAGTATCTTTTCGAAAAGATGAAAAGCAATGAATGGCAATCTTTCTAGTAT
GTATGAAGTTCTTAATAATAATGAAGACGACTTACCCTGTGGAATTGAACACACTGGTGAAAATATTTCC
CGTAGGAATGAAATCTGCCATCTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229472 protein sequence
 Red=Cloning site Green=Tags(s)

MSLGRGKYDFYIGLGLAMTSSIFIGGSFILKKKGLRLARKGSMRAGQGGHAYLKEWLWWAGLLSMGAGE
 VANFAAYAFAPATLVTPLGALSVLVSAILSSYFLNERLNLHGKIGCLLSILGSTVMVIHAPKEEEIETLN
 EMSHKLGDPGFVVFATFVVIVALIFIFVVGPRHGQTNILVYITICSVIGAFSVSCVKGLGIAIKELLAGK
 PVLQHPLAWILLFSLVVCVSTQINYLNRALDIFNTSIVTPIIYVFFTTSVLTCSAILFKEWQDMPVDDVI
 GTLSGFFTIIVGIFLLHAFKDVFSLASLPVFSFRKDEKAMNGNLSMVEVLNNEDDLPCGIEHTGENIS
 RRNGNLPSF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001256130

ORF Size: 1080 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001256130.1](#), [NP_001243059.1](#)

RefSeq Size: 3269 bp

RefSeq ORF: 1080 bp

Locus ID: 93790

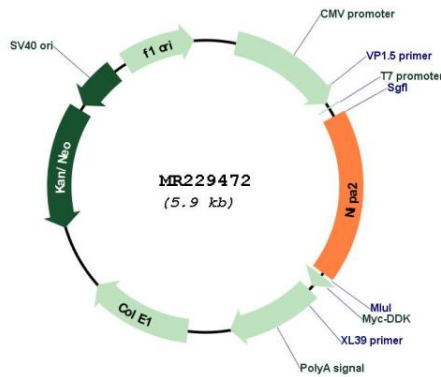
UniProt ID: [Q9JJC8](#)

Cytogenetics: 7 B5

MW: 39.1 kDa

Gene Summary: Acts as a selective Mg(2+) transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229472