

Product datasheet for MR229062

Nipa2 (NM_001256133) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nipa2 (NM_001256133) 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: >MR229062 representing NM_001256133
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGCCGGTGAAGTGGCCAATTTTGTGCATATGCATTTGCTCCGGCCACATTAGTGACTCCACTAG
 GTGCGCTCAGCGTCCTCGTAAGTGCCATTCTGTCTTCATACTTCCTAAATGAAAGACTTAATCTTCATGG
 GAAAATTGGGTGTTTGTAAAGTATTCTAGGGTCTACAGTTATGGTCATTCATGCTCCAAAGGAAGAGGAG
 ATTGAGACCTTAAATGAAATGTACATAAGTTAGGTGATCCAGGTTTTGTGGTCTTTCGAACATTTGTGG
 TCATTGTGGCCTTGATATTCATCTTTGTGGTGGGACCTCGACATGGACAGACAAACATTCTGTGTATAT
 AACAACTGCTCTGTGATTGGAGCATTTTCAGTCTCCTGTGTGAAGGGTTTGGGTATCGCCATAAAAGAG
 TTGTTGGCTGGAAAGCCTGTTCTGCAGCACCCCTCGCCTGGATTCTTCTGTTTAGCCTTGTGGTCTGTG
 TGAGCACACAGATTAATTACCTAAACCGGGCTCTGGACATTTTCAACACTTCATTGTGACTCCAATATA
 TTATGTGTTCTTTACAACCTCAGTTTTGACTTGTTCAGCTATTCTTTTTAAAGAATGGCAGGATATGCCCT
 GTTGATGATGTCATTGGGACTTTGAGTGGCTTCTCACAATCATTGTGGGGATATTTTTGTTGCATGCCCT
 TAAAGATGTCAGTTTTAGTCTAGCAAGTCTGCCAGTATCTTTTCGAAAAGATGAAAAGGCAATGAATGG
 CAATCTTTCTAGTATGTATGAAGTCTTAATAAATGAAGACGACTTACCCTGTGGAATTGAACACACT
 GGTGAAAATATTTCCCGTAGGAATGGAAATCTGCCATCTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229062 representing NM_001256133
 Red=Cloning site Green=Tags(s)

MGAGEVANFAAYAFAPATLVTPPLGALSVLVSAILSSYFLNERLNLHGKIGCLLSILGSTVMVIHAPKEEE
 IETLNEMSHKLGDPGFVVFATFVVIVALIFIFVVGPRHGQTNILVYITICSVIGAFSVSCVKGLGIAIKE
 LLAGKPVQLQPLAWILLFSLVVCVSTQINYLNRALDIFNTSIVTPIYYVFFTTSVLTC SAILFKEQDMP
 VDDVIGTLSGFFTIIVGIFLLHAFKDVFSLASLPVSFRKDEKAMNGNLSSMYEVLNNEEDLPCGIEHT
 GENISRRNGNLPSF

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_001256133

ORF Size: 882 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_001256133.1](#), [NP_001243062.1](#)

RefSeq Size: 2723 bp

RefSeq ORF: 885 bp

Locus ID: 93790

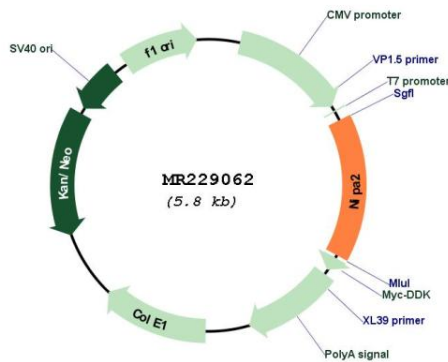
UniProt ID: [Q9JJC8](#)

Cytogenetics: 7 B5

MW: 32.4 kDa

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

Product images:



Circular map for MR229062