

Product datasheet for **MR204684**

Nipa1 (NM_153578) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Nipa1
Synonyms:	1110027G09Rik; A830014A18Rik; FSP3; Spg6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR204684 representing NM_153578
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGACTGCGGCGCGGCTGCGGCGGCCGGGAGGGGGCGCGCGGCCGAGCCCCGCCGCGTGTGCG
TCGGCCTGGGCGTGGCTGTGGTGTCAGCCTAGTGAACGGGTCCACGTTTCGTGCTGCAGAAGAAGGGCAT
TGTGCGCGCTAAAAGGCGAGGTACTTCCTACCTAACAGACATTGTGTGGTGGGCTGGCACAATTGCAATG
GCTGTGCGCCAGATTGGAACCTTTCTAGCTTACACTGCGGTCCCTACAGTCCTGGTGAATCCCTTAGGTG
CCCTTGGAGTACCGTTTGGGTCCATTTAGCTTCTACCTTCTGAAGGAAAAGCTCAACATCTTGGGCAA
GTTGGGCTGTCTGCTAAGCTGCGCAGGTTCTGTCGTGCTGATCATCCATTCCCCGAAGTCTGAGAGTGTG
ACCACGCAGGCCGAGTTGGAGGAGAAGCTGACCAATCCAGTGTGTTGGGCTACCTGTGCATCGTGTGCTG
TCATGCTGCTGCTGTTGATCTTCTGGATCGCACCAGCCACGGGCCACCAACATCATGGTCTACATCAG
CATCTGCTCCTTGTGGGAGTTTCACTGTGCCTTCCACCAAGGGCATTGGGCTGGCAGCCCAAGACATC
TTGCACAACAATCCATCCAGTCAGAGAGCCCTCTGCCTGTGCCTGGTGTCTCTGGTGTCTCTGGGCTGCA
GCATCATTGTCCAATTCAGGTACATCAACAAGGCCCTGGAGTGCTTCGACTCCTCTGTATTTGGGGCCAT
CTACTACGTTGTGTTTACCACGCTGGTCTACTGGCTTCAGCCATCCTCTCCGGGAGTGGAGCAATGTG
GGCCTGGTGGACTTCTTGGGCATGGCCTGTGGATTACAACGTCTCCGTGGGAATTGCTCATACAAG
TGTTCAAGAATTCAACTTCAACCTTGGAGAGATGAACAAATCCAATATGAAAACAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR204684 representing NM_153578

Red=Cloning site Green=Tags(s)

MGTAATAAAGGARGPSPAAYSLGLGVAVVSSLVNGSTFVLQKKGIVRAKRRGTSYLTDIVWAGTIAM
AVGQIGNFLAYTAVPTVLVTPPLGALGVPGFSGILASYLLKEKLNILGKLGCLSCAGSVVLIHSPKSES
TTQAELEELTNPVFVGYLCIVLLMLLLIFWIAPAHGPTNIMVYISICSLGFTVPSTKGIGLAAQDI
LHNNPSSQRALCLCLVLLAVLGCSIIQFRYINKALECFDSSVFGAIIYVVFTTLVLLASAILFREWSNV
GLVDFLGMACGFTTVSGIVLIQVKEFNFLGEMNKSNNMKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9020_h11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_153578

ORF Size:

969 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:

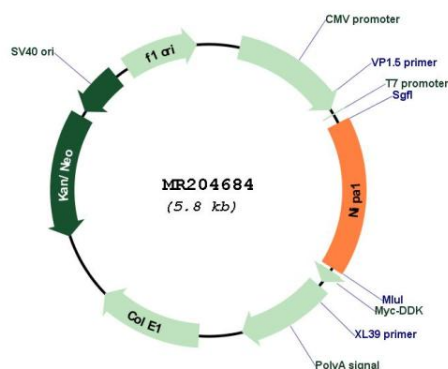
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153578.3</u>
RefSeq Size:	1885 bp
RefSeq ORF:	972 bp
Locus ID:	233280
UniProt ID:	<u>Q8BHK1</u>
Cytogenetics:	7 B5
MW:	34.6 kDa
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]

Product images:



Circular map for MR204684