

Product datasheet for **MG205500**

Nipa2 (NM_023647) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nipa2 (NM_023647) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nipa2
Synonyms:	2600017P10Rik; 3830408P04Rik; AB041581
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205500 representing NM_023647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTGGGGCGTGGAAAATATGATTTTTATATTGGTCTGGGATTGGCTATGACCTCCAGCATTTTCA
TTGGAGGGAGTTTCATTTTGAAAAAAAAGGCCTTCTGCGACTTGCCAGGAAAGGCTCAATGAGAGCAGG
TCAAGGAGGCCATGCATATCTTAAGGAATGGTTGGTGGGCTGGACTGCTGTCAATGGGAGCCGGTGAA
GTGGCCAATTTTGCTGCATATGCATTTGCTCCGCCACATTAGTGACTCCACTAGGTGCGCTCAGCGTCC
TCGTAAGTGCCATTCTGTCTTCATACTTCTAAATGAAAGACTTAATCTTCATGGGAAAATTGGGTGTTT
GCTAAGTATTCTAGGGTCTACAGTTATGGTCATTCATGCTCCAAAGGAAGAGGAGATTGAGACCTTAAAT
GAAATGTCACATAAGTTAGGTGATCCAGGTTTTGTGGTCTTTGCAACATTTGTGGTCATTGTGGCCTTGA
TATTCATCTTTGTGGTGGACCTCGACATGGACAGACAAACATCTTGTGTATATAACAATCTGCTCTGT
GATTGGAGCATTTTCAGTCTCCTGTGTGAAGGGTTTGGGTATCGCCATAAAAGAGTTGTTGGCTGGAAA
CCTGTTCTGCAGCACCCCTCGCCTGGATTCTTCTGTTTAGCCTTGTGGTCTGTGTGAGCACACAGATTA
ATTACCTAAACCGGGCTCGGACATTTCAACACTTCCATTGTGACTCCAATATATTATGTGTTCTTTAC
AACTTCAGTTTTGACTTGTTCAGCTATTCTTTTAAAGAATGGCAGGATATGCCTGTTGATGATGCATT
GGGACTTTGAGTGGCTTCTTCAACATCATTGTGGGGATATTTTTGTTGCATGCCTTTAAAGATGTCAGTT
TTAGTCTAGCAAGTCTGCCAGTATCTTTTCGAAAAGATGAAAAGCAATGAATGGCAATCTTTCTAGTAT
GTATGAAGTTCTTAATAATAATGAAGACGACTTACCCTGTGGAATTGAACACACTGGTGAAAATATTTCC
CGTAGGAATGAAATCTGCCATCTTTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205500 representing NM_023647
 Red=Cloning site Green=Tags(s)

MSLGRGKYDFYIGLGLAMTSSIFIGGSFILKKKGLRLRLARKGSMRAGQGGHAYLKEWLWWAGLLSMGAGE
 VANFAAYAFAPATLVTPLGALSVLVSAIILSSYFLNERLNLHGKIGCLLSILGSTVMVIHAPKEEEIETLN
 EMSHKLGDPGFVVFATFVVIVALIFIFVVGPRHGQTNILVYITICSVIGAFSVSCVKGLGIAIKELLAGK
 PVLQHPLAWILLFSLVVCVSTQINYLNRALDIFNTSIVTPIYYVFFTTSVLTCSAILFKEQDMPVDDVI
 GTLSGFFTIIIVGIFLLHAFKDVFSLASLPVSVFRKDEKAMNGNLSMVEVLNNEDDLPCGIEHTGENIS
 RRNGNLPSF

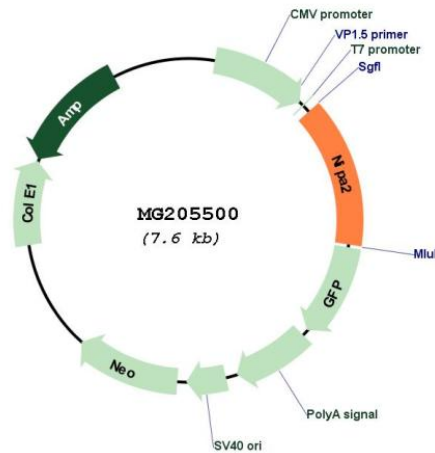
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023647

ORF Size:	1077 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:	<ol style="list-style-type: none">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_023647.6 , NP_076136.2
RefSeq Size:	3626 bp
RefSeq ORF:	1080 bp
Locus ID:	93790
UniProt ID:	Q9JJC8
Cytogenetics:	7 B5
Gene Summary:	Acts as a selective Mg(2+) transporter.[UniProtKB/Swiss-Prot Function]