

Product datasheet for RN202975

Nptx2 (NM_001034199) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nptx2 (NM_001034199) Rat Untagged Clone
Tag: Tag Free
Symbol: Nptx2
Synonyms: Narp; NP-II; NP2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202975 representing NM_001034199
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCTGGCGCTGCTGACCGCCGGCGTGGCGCTCGCCGTGGCCGCGGGACAAGCCAGGATAACCCGATAC
 CTGGCAGTCGCTTCGTGTGCACCGCGCTGCCCGCGAAGCGGGCGCGCCGGCTGCCCGTCCCGCGAT
 GCCCATGCAGGGAGGCGCGCTGAGCCCTGAGGAGGAGCTGCGAGCCGCTGTGCTGCAGCTGCGCGAGACC
 GTCGTGCAGCAGAAGGAGACGCTGGGGCGCTCAGCGAGAAGCCATCCGAGAACTACCAGCAAGCTGGCCC
 GCTGTGAGGGACTAGCCGGCGGTAAAGGCGCGGCACGGGGGCCACGGGCAAGGACACCATGGGCGACCT
 GCCCGGGACCCGGGCCACGTCGTGGAGCAGCTTAGCCGCTCGCTGCAGACCCTCAAGGACCGCTTGGAG
 AGCCTCGAGCTCCAACCCACACCAACGCGTCTAATGCCGGGCTGCCGAGCGACTCCGAGAGGTGCTCC
 AGCGGAGGCTGGGGGAGCTGGAGAGGCAGTTGCTACGCAAGGTGGCCGAGCTGGAAGACGAGAAGTCCCT
 GCTCCACAATGAGACCTCGGCTCACCGGCAAGACAGAGAACAACACTGAATGCACTGCTGCAGAGGGTG
 ACTGAGCTGGAGAGAGGCAACAGTGCATTCAAGTCACCAGATGCATTCAAAGTGTCCCTCCCTCCCGTA
 CAAACTACCTATACGGCAAGATCAAGAAGACGTTGCCCGAGCTGTATGCCTTACCATCGCTGTGGCT
 GCGGTCCAGCGCTCGCCAGGCATCGGCACGCCATTCTCTACGCTGTGCCTGGGCAAGCCAATGAGATT
 GTGCTGATAGAGTGGGGTAACAATCCCATAGAGCTGCTTATCAACGACAAGGTCGCACAGCTGCCCTGT
 TTGTCAGCGATGGCAAGTGGCACCATATCTGCATCACCTGGACCACTCGAGACGGCATGTGGGAAGCATT
 CCAGGACGGGGAGAAGCTGGGCACCGGGGAGAACCTGGCACCTGGCATCCCACTCAAGCCAGGGGTGTG
 CTCATCTGGGGCAGGAGCAGGACACTGTGGGAGGCAGATTTGATGCCACACAGGCCCTTCGTTGGAGAGC
 TTAGCCAGTTCAACATATGGGACCGTGTCTCCGGGCACAAGAGATCATCAACATCGCCAACTGTCCAC
 GAACATGCCTGAAAACATCATCCATGGGTGGACAACAATGTCGATGTGTTGGAGGGGCTTCAAAGTGG
 CCTGTGGAGACGTGCGAAGAGCGTCTCCTGGACTGT**AG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001034199
Insert Size:	1299 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<u>NM_001034199.1, NP_001029371.1</u>
RefSeq Size:	1906 bp
RefSeq ORF:	1299 bp
Locus ID:	288475
Cytogenetics:	12p11
Gene Summary:	synaptic organizing molecule that mediates aggregation of NMDA receptors via coupling to synaptic AMPA receptors [RGD, Feb 2006]