

Product datasheet for **RN204139**

Nptxr (NM_030841) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nptxr (NM_030841) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nptxr
Synonyms:	Npr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204139 representing NM_030841
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

CTGAAGTTCCTGGCCGTGCTGCTGGCCGCGGGCATGCTGGCGTTCCTCGGTGCCGTATCTGCATCATCG
 CCAGCGTGCCCTGGCGGCCAGCCCGCGCGCGCTGCCGGCGGCACCGACAACGCCTCGGCCGCCTC
 GGCCGCCGGTGCCCGGGTCCGCAGCGCAGCCTGAGCGCCTGCAGGGCGCAGGGCGCTCGGCCGGCC
 TCGGTGTTGCCCGGGGAGCCGGCGGCCAGCGTCTTCCCGCCGCCCGCCGGGCCGCTGCTCAGTCGTTCC
 TCTGCACACCGCTGGCCCGCTTGCCCGTGGGGGCTGAGCAGGGGACCGCGCTGGCAGCGCGCGGA
 GCTGTTGCTGCTGCAGAGCACCGCGGAGCAGCTGCGCCAGACGGCGTGCAGCAGGAGGCCGCGCATCCGC
 GCCACCGGGACACCATTGCGGAGCTCACCGCAAGCTGGGCCGCTGCGAGAGCGGCCTGCCCGCGGCC
 TCCAGGACGCCGGCCCCGCCGACACTATGGCCGACGGCGCTGGGACTCACCCGCGTCTCGTGGA
 GCTGGAGAACCGGTGCGCGCTGCGAGACCGCATCGAGCGCATCGAGCAGGAGCTCCAGCCCGTGGG
 AACCTCTCTCTCCCGCCAGCCCTGCTGTGCCACCGCCCTGCATCCAAGATGGACGAGCTAGAAG
 GCCAGCTGCTGGCCAAGGTGCTGGCACTGGAGAAGGAACGTGCTGCCCTCAGTCATGGCAGCCACCAGCA
 ACGACAGGAAGTGGAAGAAGGAGCTGGATGCCCTGCAGGGTGCCTGGTGGTGGAGCAGGGTCTCTCG
 GCCTACAGTCCCCAGATGCCTTCAAGGTGAGCATCCCCATCCGCAACAACACTACATGATGCCCGTGTGC
 GCAAGGCAGTGCCAGAACTTACGCCTTCACTGCCTGCATGTGGTGGCTCCAGGTCCGGTGGCTCTGG
 CCAGGGCACCCCTTCTCTACTCGGTGCCCGGGCAGGCCAATGAGATCGTGTGGTGGAGGCCGCGCTT
 GAGCCAATGGAAGTGTGATCAACGATAAGGTGGCCAGCTGCCTCTGAGCCTGAAAGACAGCAACTGGC
 ACCATATCTGCATCGCCTGGACTACAAGGGATGGGCTGTGGTCTGCATACCAGGACGGAACTGCGGGG
 TTCTGGTGACAACCTGGCAGCCTGGCACCCCATCAAACACATGGCATCCTTATCCTGGGCCAAGAACAG
 GATACCTTGGGAGGCCGATTTGATGCCACGCAGGCCTTCGTCGGTGACATTGCACAGTTCAACTGTGGG
 ACCACGCTCTGACACCTGCCAGGTGCTGGGATTGCCAAGTGCACCGGGCCACTCATGGGAATGTCTCT
 CCCCTGGGAAGACAAGCTGGTAGAGGCCTTGGAGGTGCGAAGAAGGCCCTTTGATGTGTGCAAGGGA
 AGGGCTAAGGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030841

Insert Size: 1485 bp

OTI Disclaimer: 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.

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](#)

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_030841.3, NP_110468.2</u>
RefSeq Size:	4870 bp
RefSeq ORF:	1485 bp
Locus ID:	81005
Cytogenetics:	7q34
Gene Summary:	The protein encoded by this gene is an integral membrane protein, and functions as a neuronal receptor. It is thought to mediate neuronal uptake of the snake venom toxin, taipoxin, and its transport into the synapses. Studies in rat indicate that translation of this mRNA initiates at a non-AUG (CUG) codon. This site is also conserved in human and mouse. [provided by RefSeq, Jul 2008]