

## Product datasheet for MR221892

### Nptxr (NM\_030689) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nptxr (NM_030689) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nptxr
Synonyms:	1200009K17Rik; 1700036C17Rik; 5730406O18Rik; AI452369; AI785356; D15Bwg0580e; NP; Npcd; NPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221892 representing NM_030689 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCGACGGCGCTGGGACTCACCTGCGCTGCTGCTGGAGCTGGAGGACGCGGTGCGCGCTGCGAG  
ACCGCATCGAGCGCATCGAGCAGGAGCTCCAGCCCGTGGGAACATCTCCTCGGCGCCAGCTCCAGCCAT  
GCCACCGCCCTGCACTCCAAGATGGACGAACTAGAAGGCCAGCTGCTGGCCAAGGTGCTGGCGCTGGAG  
AAGGAGCGAGCCGCCCTCAGTCACGGGAGCCACCAGCAACGACAGGAAGTGGAGAAGGAGCTGAATGCC  
TGCAGGGTCGCGTGGCCGAGCTGGAGCACGGGTCTCGGCCTACAGTCCCCCTGATGCCTTCAAGGTCAG  
CATCCCCATCCGCAACAACACTACATGTACGCCCGCTGCGCAAGGCGCTGCCGGAACCTACGCTTCACT  
GCCTGCATGTGGCTGCGCTCCAGGTCAGGTGGCTCCGGCCAGGGCACCCCTTCTCTACTCGGTGCCCC  
GGCAGGCAATGAGATCGTGCTTCTGGAGCCGGCCTTGAGCCAATGGAGCTGCTGATCAACGACAAGGT  
GGCCAGCTGCCCTGAGCCTGAAAGACAGCAACTGGCACCATATCTGCATCTCCTGGACTACAAGGAT  
GGGCTGTGGTCTGCATACCAGGACGGAGAAGTGGCGGGTCTGGCGAGAACCTAGCAGCCTGGCACCCCA  
TCAAGCCACACGGCATCCTTATCCTGGGCAAGAGCAGGATACCTTGGGAGGCCGATTTGACGCCACACA  
GGCCTTCGTTGGTGACATTGCACAGTTCAACCTGTGGGACCACGCTCTGACACGGGCCAGGTGCTGGGC  
ATGGCCAACTGCACCGGGCCACTGATGGCAATGTCTCCCTGGGAAGATAAGCTGGTAGAGGCCCTTTG  
GAGGTGCGAAGAAGGCCCGCTTTGATGTGTGCAAGGGGAGGGCAAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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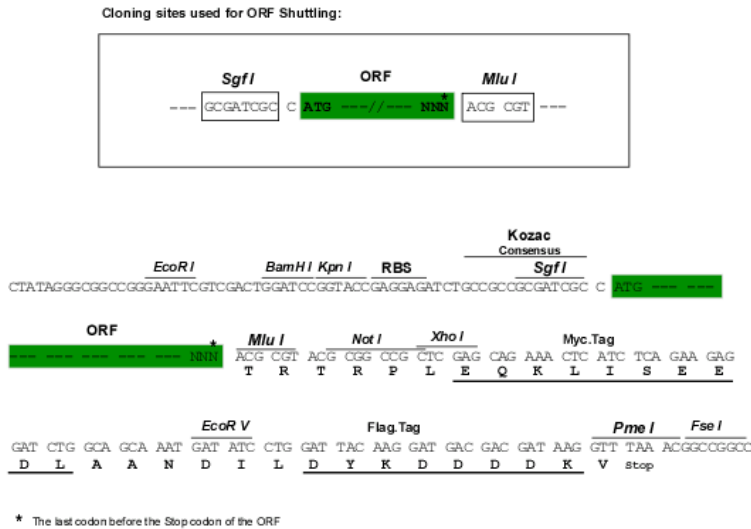
**Protein Sequence:** >MR221892 representing NM\_030689  
 Red=Cloning site Green=Tags(s)

MADGAWDSPALLELEDAVRALRDRIERIEQELPARGNISSAPAPAMPTALHMKMDELEGQLLAKVLALAE  
 KERAALSHGSHQQRQEVEKELNALQGRVALEHGSSAYSPPDAFKVSIPIRNNMYARVRKALPELYAFT  
 ACMWLRSRSGSGQGTPFSYSVPGQANEIVLLEAGLEPMELLINDKVAQLPLSLKDSNWHHICISWTTRD  
 GLWSAYQDGE LRSGENLAAWHPKPHGILILGQEQDTLGGRFDATQAFVGDIAQFNLWDHALTPAQVLG  
 MANCTGPLMGNVLPWEDKLVEAFGGAKKAADFVCKGRAKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_030689

**ORF Size:** 1021 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\\_030689.1](#), [NM\\_030689.2](#), [NM\\_030689.3](#), [NM\\_030689.4](#), [NP\\_109614.2](#)

**RefSeq Size:** 4973 bp

**RefSeq ORF:** 1482 bp

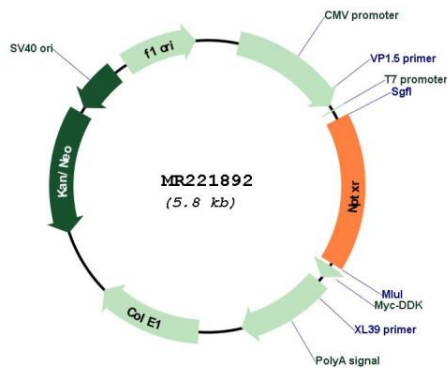
**Locus ID:** 73340

**Cytogenetics:** 15 37.85 cM

**MW:** 35 kDa

**Gene Summary:** This gene encodes a protein similar to the rat neuronal pentraxin receptor. The rat pentraxin receptor is an integral membrane protein that 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 may also be true for mouse and human, based on strong sequence conservation amongst these species. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for MR221892