

Product datasheet for **MG221892**

Nptxr (NM_030689) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nptxr (NM_030689) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nptxr
Synonyms:	1200009K17Rik; 1700036C17Rik; 5730406O18Rik; AI452369; AI785356; D15Bwg0580e; NP; Npcd; NPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221892 representing NM_030689 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGACGGCGCTGGGACTCACCTGCGCTGCTGCTGGAGCTGGAGGACGCGGTGCGCGCTGCGAG
ACCGCATCGAGCGCATCGAGCAGGAGCTCCAGCCCGTGGGAACATCTCCTCGGCGCCAGCTCCAGCCAT
GCCACCGCCCTGCACTCCAAGATGGACGAACTAGAAGGCCAGCTGCTGGCCAAGGTGCTGGCGCTGGAG
AAGGAGCGAGCCGCCCTCAGTCACGGGAGCCACCAGCAACGACAGGAAGTGGAGAAGGAGCTGAATGCC
TGCAGGGTCGCGTGGCCGAGCTGGAGCACGGGTCTCGGCCTACAGTCCCCCTGATGCCTCAAGGTCAG
CATCCCCATCCGCAACAACACTACATGTACGCCCGCTGCGCAAGGCGCTGCCGGAACCTACGCCTTCACT
GCCTGCATGTGGCTGCGCTCCAGGTCAGGTGGCTCCGGCCAGGGCACCCCTTCTCTACTCGGTGCCCC
GGCAGGCAATGAGATCGTGCTTCTGGAGCCGGCCTTGAGCCAATGGAGCTGCTGATCAACGACAAGGT
GGCCAGCTGCCCTGAGCCTGAAAGACAGCAACTGGCACCATATCTGCATCTCCTGGACTACAAGGAT
GGGCTGTGGTCTGCATACCAGGACGGAGAAGTGGCGGGTCTGGCGAGAACCCTAGCAGCCTGGCACCCCA
TCAAGCCACACGGCATCCTTATCCTGGGCAAGAGCAGGATACCTTGGGAGGCCGATTTGACGCCACACA
GGCCTTCGTTGGTGACATTGCACAGTTCAACCTGTGGGACCACGCTCTGACACCGGCCAGGTGCTGGGC
ATGGCCAACTGCACCGGGCCACTGATGGCAATGTCTCCCTGGGAAGATAAGCTGGTAGAGGCCCTTTG
GAGGTGCGAAGAAGGCCCGCTTTGATGTGTGCAAGGGGAGGGCAAAGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221892 representing NM_030689
 Red=Cloning site Green=Tags(s)

MADGAWDSPALLELEDAVRALRDRIERIEQELPARGNISSAPAPAMPTALHMKMDELEGQLLAKVLALAE
 KERAALSHGSHQQRQVEKELNALQGRVALEHGSSAYSPPDAFKVSIPIRNNMYARVRKALPELYAFT
 ACMWLRSRSGSGQGTPFSYSVPGQANEIVLLEAGLEPMELLINDKVAQLPLSLKDSNWHHCISWTTTRD
 GLWSAYQDGLRSGENLAAWHPKPHGILILGQEQDTLGGRFDATQAFVGDIAQFNLWDHALTPAQVLG
 MANCTGPLMGNVLPWEDKLVEAFGGAKKAADFVCKGRAKA

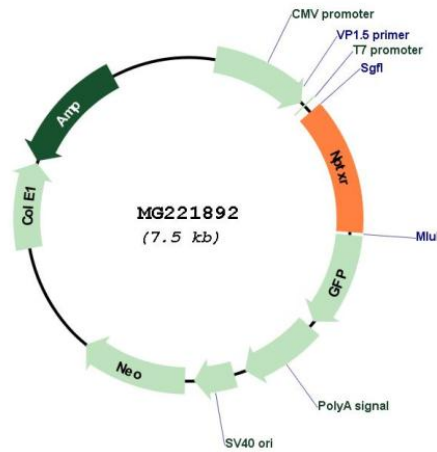
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030689

ORF Size:	1479 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_030689.4 , NP_109614.2
RefSeq Size:	4973 bp
RefSeq ORF:	1482 bp
Locus ID:	73340
Cytogenetics:	15 37.85 cM
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]