

Product datasheet for **RC212087**

NPTXR (NM_014293) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPTXR (NM_014293) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NPTXR
Synonyms:	NPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC212087 representing NM_014293
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

CTGAAGTTCCTGGCCGTGCTGCTGGCCGCGGGCATGCTGGCGTTCCTCGGTGCCGTATCTGCATCATCG
 CCAGCGTGCCCTGGCGGCCAGCCCGGCGGGGCTGCCCGGCGGCCGACAATGCTTCGGTCGCCTC
 GGGCGCCGCCGCTCCCGGGCCCGCAGCGGAGCCTGAGCGCGTGCACGGCGGGGCGTTTCAGCCGGG
 CCCCCGCGTGCCCGGGGACCCCGCGGCCAGCGCGCACCCGCTGCCCGCGGGCCCTGTTTCAGCCGCT
 TCCTGTGCACGCCGTGGCTGCTGCCTGCCGTCGGGGGCCAGCAGGGGACCGGGCGGGCGCTGCGCC
 GGGCGAGCGGAAGAGCTGCTGCTGCTGCAGAGCACGGCCGAGCAGTGCGCCAGACGGCGCTGCAGCAG
 GAGGCGCGCATCCGCGCCGACCAGGACACCATCCGTGAGCTCACCGCAAGCTGGCCGCTGCGAGAGCG
 GCCTGCCGCGGGCTCCAGGGCGCGGCCCGCCGCGACACCATGGCCGACGGGCCCTGGACTCGCC
 TGGCTCATTCTGGAGCTGGAGGACGCCGTGCGCGCCCTGCGGGACCGCATCGACCGCTGGAGCAGGAG
 TTCCAGCCCGTGTGAACCTCTCAGCTGCCCCAGCCCCAGTCTCTGCTGTGCCACCGGCCCTACACTCCA
 AGATGGACCAGCTGGAGGGGAGCTGCTGGCCAGGTGCTGGCACTGGAGAAGGAGCGTGTGGCCCTCAG
 CCACAGCAGCCCGCGCAGAGGCAGGAAGTGGAAAAGGAGTTGGACGTCCTGCAGGGTCTGTGGCTGAG
 CTGGAGCAGGGTCTCAGCCTACAGTCTCCAGATGCCTTCAAGATCAGCATCCCCATCCGTAACAAC
 ACATGTACGCCCGCTGCGGAAGGCTCTGCCGAGCTCTACGCATTACCCGCTGCATGTGGCTGCGGTC
 CAGGTCCAGCGGCCAGGGCAGGCCACCCCTTCTCTACTCAGTGGCCGGCAGGCCAACGAGATTGTA
 CTGCTAGAGGCGGGCCATGAGCCCATGGAGCTGCTGATCAACACAAGGTGGCCAGCTGCCCTATGGTGCCTACCA
 TGAAGACAATGGCTGGCACCACATCTGCATCGCCTGGACCAAGGGATGGCCTATGGTGCCTACCA
 GGACGGGAGCTGACGGGCTCCGGTGAGAACCTGGCTGCCTGGCACCCCATCAAGCCTCATGGGATCCTT
 ATCTTGGGCCAGGAGCAGGATACCCTGGGTGGCCGGTTTGTGTCACCCAGGCCTTTGTCGGTGACATTG
 CCCAGTTTAACTGTGGGACCACGCCCTGACACCAGCCAGGTCCTGGGCATTGCCAACTGCACTGCGCC
 ACTGCTGGCAACGTCCTTCCCTGGGAAGACAAGTTGGTGGAGGCCTTTGGGGGTGCAACAAAGGCTGCC
 TTCGATGTCTGCAAGGGGAGGGCCAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212087 representing NM_014293
 Red=Cloning site Green=Tags(s)

LKFLAVLLAAGMLAFLGAVICIIASVPLAASPARALPGGADNASVASGAAASPGPQRSLALHGAGGSAG
 PPALPGAPAASAHPLPPGPLFSRFLCTPLAACPSSGAQQGDAAGAAPGEREELLLLQSTAEQLRQTALQQ
 EARIRADQDTIRELTGKLRCEGLPRGLQGAGPRRDTMADGPWDSPALILELEDVRLRDRIDRLEQE
 LPARVNL SAAPAPVSAVPTGLHSKMDQLEGQLLAQVLALEKERVASHSSRRQRQEVEKELDVLQGRVAE
 LEHGSSAYSPPDAFKISIPIRNNYMYARVRKALPELYAFACMWLRSRSGTGQGTGPFYSVYPGQANEIV
 LLEAGHEPMELLINDKVAQLPLSLKDNQWHHICIAWTTTRDGLWSAYQDGELQSGENLAAWHPKPHGIL
 ILGQEQDTLGGRFDATQAFVGDIAQFNLWDHALTPAQVLGIANCTAPLLGNVLPWEDKLVEAFGGATKAA
 FDVCKGRAKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8026_g07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_014293

ORF Size: 1500 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

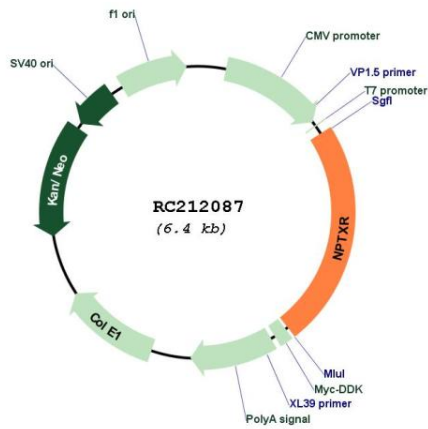
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_014293.4](#)
RefSeq Size: 5831 bp
RefSeq ORF: 1503 bp
Locus ID: 23467
UniProt ID: [O95502](#)
Cytogenetics: 22q13.1
Domains: PTX
Protein Families: Druggable Genome, Transmembrane
MW: 52.8 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 RC212087