

## Product datasheet for **RN203246**

### Nrxn2 (NM\_053846) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nrxn2 (NM_053846) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nrxn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203246 representing NM_053846 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCTCGGGAGTCGGTGGCGACCGCCACCCAGTTGCCGCCGCTGCTGTTGTTGCTGGCGCTGGTGG  
CAGGCGTCCGTGGCTTGGAGTTTGGCGCGGCCCGGGCAGTGGGCTCGCTACGCGCGCTGGGCAGGCGC  
GGCGAGCACCGGCGAGCTCAGCTTCAGCCTGCGCACCAACGCCACGCGCGCGCTGCTCTACCTGGAC  
GACGGCGCGACTGCGACTTCCTGGAGCTGCTGCTGGTGGACGGGCGCCTGCGGCTGCGCTTACCGTGT  
CTTGCGCCGAGCCCGCCACGCTGCAAGTTGGACACGCCGTTGGCCGACGACCGCTGGCACATGGTGTGCT  
GACCCGCGACGCGCGGCACGCGCTGGCGGTGGACGGCGAAGCCCGTGGCGCCGAGGTGCGCTCAAAG  
CGGCGGAGATGCAGGTGGCCAGCGACCTGTTCTGGCGGCATCCCACCCGACGTGCGCCTGTCTGCGC  
TCACGCTCAGCACCGTCAAGTACGAGCCGCTTCCGCGGCTCCTGGCCAACTGAAGCTGGGCGAGCG  
GCCGCGGCGCTGCTGGTAGCCAGGGTCTGCGCGGTGCGGCCGCGACCCCTGTGCGGCCCGCACGC  
AATCCCTGCGCCAACGGCGCCCTCTGCACCGTGTAGCCCCGGCGAGGTGGGCTGCGACTGCAGCCACA  
CTGGCTTCGGCGCAAGTTCTGCAGTGAAGAGGAACCCCATGGAAGGTCGGGCTCACCTGACGTTAAA  
CAGCGAAGTAGGGTCCTTACTGTTCTCCGAGGGGGGGCCGGGAGAGGAGGAGCCGCAATGTGCACCAG  
CCAACAAAAGGCAAGGAGGAATTTGGCAACCTTCAAGGGCAATGAGTCCTTCTGCTACGACCTGTAC  
ACAACCCGATCCAGAGCAGCACTGATGAGATCACACTGGCCTTCCGCACCCCTGCAGCGCAACGGGCTGAT  
GCTGCACACGGGGAAGTCGGTAACCTACGTCAACCTGTCCCTCAAGTCCGGGGCTGTCTGGCTGATCATC  
AACCTAGGCTCAGGTGCCTTCGAGGCCCTCGTGAACCCGTCAATGGCAAGTTCAACGACAACGCGCTGGC  
ACGACGTCGGGTTACCCGAACTGCGCCAGCACGCAGGGATTGGACACGCTATGGTAAACAACTGCA  
TTATCTGGTGACCATCTCGGTGGACGGGATCCTGACCACACAGGCTACACGAGGAGGATTACACCATG  
CTGGCTCTGATGACTTCTTACATTGGGGGAGCCCAACACAGCCGACCTGCCTGGCTCCCTGTCA  
GCAACAACCTCATGGGCTGTCTCAAGGACGTGGTCTACAAGAATAATGACTTCAAGCTGGAGCTATCCCG  
ACTGGCTAAGGAAGGGGACCCGAAGATGAAGCTGCAGGGGATTTGTCTTCCGTTGTGAGGACGTGGCT  
GCCTTGGACCCTGTGACCTTCGAGAGTCTGAGGCCTTTGTGCGACTGCCCGCTGGAGCGCAAGCGCA  
CTGTTTCTATCTCCCTGGACTTCAGAACCAGGAGCCCAATGGGTTGCTGCTCTTACAGCCAGGGCCGGCG  
GGCTGGGCGCGGGTAGGCAGCCACAGTTCAGCCAGAGGGCCGACTACTTGGCATGGAGCTATTGGAT



GGCTACCTCTATCTTCTGCTGGACATGGGCTCTGGGGCATCAAGCTGCGGGCGTCCAGCCGCAAGGTCA  
 ACGACGGCGAATGGTGCCACGTGGACTTCCAGAGGGATGGGCGCAAAGGCTCCATCTCTGTGAACAGCCG  
 CAGTACACCATTCTTGGCCACAGGAGAGAGTGAAGTCTGGACCTGGAGAGTGAAGTGTACCTGGGCGGT  
 CTCCCTGAGGGGGCCGAGTGGACCTGCCATTGCCTCTGAGGTGGACAGCTGCTCTCCGGGCTGGCT  
 ACGTGGGCTGCGTGCAGACCTTTCATAGATGGACGGAGTGCAGATCTCCGGGGCTGGCTGAGGCACA  
 GGGAGCTGTGGGCGTGCACCTTCTGCTCTCGGAGACCCCTGAAGCAGTGTGCATCGGCCCGCTTCTGGGTC  
 AATGGTGGCATCTGTGAGAGGGCTGGAACCGTTCGTCTGTGATTGCATCGGGACCGGCTTCTGGGTC  
 GGGTCTGCGAGAGAGAGGCCACAGTCTTAAGCTATGATGGCTCCATGTACATGAAGATCATGCTGCCCAA  
 TGCCATGCACACGGAAGCAGAGGATGTGCTCCCTGCGATTATGTCCCAGAGGGCTTATGGACTCATGATG  
 GCCACCACCTCTAGGGAGTGGCCGACACTCTGCGTCTGAGCTGGACGGGGGCGAGATGAAGCTCACAG  
 TCAACCTCGACTGCCTGCGCGTGGCTGCGCACCCAGTGTGCAGCTAAAGGCCCGAGACCCTCTTTGC  
 GGGGCACAAGCTCAACGACAATGAGTGGCACACGCTGAGGGTGTACGGCGTGGCAAGAGCTGCAGCTG  
 TCTGTGGACAACGTGACTGTGGAGGGACAGATGGCAGGAGCCACACGCGGCTGGAGTCCACACATCG  
 AGACAGGCATCATGACAGAGCGACGTTTATCTCTGTGGTGCCTCCAATTCATCGGCCACCTGAGCGG  
 GCTGGTGTCAATGGTCAACCCTACATGGACCAGTGCAAAGATGGAGACATCACCTACTGTGAGCTTAAT  
 GCCCGCTTGGGCTGCGTGCATCGTGGCTGATCTGTTACCTTCAAGAGTCGCAGTAGCTACCTGGCGT  
 TGGCCACGCTCCAAGCCTATGCCTCCATGCACCTCTTCTCCAGTTCAAGACCACAGCCCTGATGGACT  
 TCTGCTGTCAACTCAGGCAACGGCAATGACTTATTGTCATCGAGCTGGTCAAGGGGTACATCCACTAC  
 GTGTTTGAACCTGGGAAATAGCCCGTCTTGATGAAGGGAAACTCAGACAAACCAGTTAATGACAACCAGT  
 GGCACAACGTGGTGGTGTCCAGGGACCCAGGCAACGTGCACACGCTGAAGATTGACTCCCGCACGGTCCAC  
 GCAGCATTCACCGGTGCCGAAATCTGGATCTCAAAGGGGAGTGTACATCGGTGGCCTGAGCAAGAAC  
 ATGTTTCAGCAACCTGCCAAAGCTGGTGGCCTCTCGGATGGCTTTCAGGGCTGCCTGGCTCTGTGGACC  
 TCAACGGGCGCCTCCAGACCTCATCGCAGACCCCTGCACCGAATCGGGCAGGTGGAGGGGGTGTGA  
 TGGCCCCAGTACCACCTGCACCGAAGAGTCTGTGCCAACCAGGGCGTCTGCCTGCAGCAGTGGGACGGC  
 TTTACCTGTGACTGCACCATGACTTCTATGGAGGCCCTGTCTGCAATGACCCTGGGACCACATACATCT  
 TTGGGAAGGGGGAGCGCTCATCACCTATACATGGCCTCCCAATGACCGACCCAGCACAAGGATGGACCG  
 CCTGGCGTAGGCTTTCAGCACCCACCAGCGAGCGCTGTGCTGGTACGCGTGGACAGTGCCTCCGGCCTC  
 GGGGACTACCTGCAGCTGCACATTGACCAGGGCACTGTTGGGGTATTTTTAATGTGGGCACGGATGACA  
 TTACAATTGATGAGCCCAACGCCATCGTGAAGCGGCAAAATACACGTGGTGCCTTCACTCGAAGTGG  
 TGGCAATGCCACTTTCAGGTGGACAGTGGCCAGTCAACGAGCGGTACCCGGCAGGGAACCTTGTAAAC  
 GAGCGCCTGGCGATTGCTAGACAGAGAATCCCCTACCGGCTTGGTGCAGTAGTAGATGAATGGCTGCTCG  
 ACAAAGGACGCCAGCTGACCATCTTCAACAGCCAGGCTGCCATCAAGATAGGGGGCCGGATCAGGGCCG  
 CCCCTTCCAGGGCCAGGTGTCCGGCCTCTACTACAATGGGCTCAAGGTAAGTGGCGTGGCCGCGGAGAGC  
 GACCCCAATGTGCGGACCGAAGGCCACCTGCGCCTAGTAGGGGAAGGGCCGTCCGTGCTGCTCAGTGCAG  
 AGACCACTGCCACCCTGCTGGCCGACATGGCCACCACCATCATGGAGACCACCACCACATGGCCAC  
 CACCACTACTCGCCGGGGCCGCTCCCCACAATGAGGGACAGCACCACCCAGAACACAGATGACCTTCTG  
 GTGGCCTCGGCTGAGTGTCCAAGTATGATGAGGACCTGGAGGAGTGTGAGCCTAGTACTGGAGGAGAGT  
 TAATATTGCCATTATCACGGAGGACTCCTTAGACCCCTCCCGTGGCCACCCGGTCCCCTTCTGTGCC  
 CCGGCCCGCCCTCTCCGGGGCCCGTGTGAGCCGAGCGCGACGACAGCGACTGCGAGGAGCCCGTGG  
 AAGCCTCGGGCTTTCGCTCCGGGGAGGTCTTGTACTCCAGCCTCCCCCAGCGACGAGGACTTTTA  
 CACCACCTTCCCCTTGGTACGGACCGCACCCCTCCTGTACCCCGCAAGCCTGCGCCCCGACCTAAC  
 CTCAGGACAGATGGGGCCACGGGCGCCCCGGGGTGTACTTGCGCCCTCCGCCCCAGCCCCAACCTGC  
 CCGCGGGCAAAATGAACCACCGAGACCCACTGCAGCCGCTGTGGAGAACCACCCCTGGGGCTGGGGT  
 CCCACGGCTTCGAGCCGCGGGCGCCCTCCCCTGCGCCCGGCGTACCTCAGTCCCAGTTTCCCC  
 CGTCTGCCACAGCCAACCCACGGGTCCGGGGAGCGCGGCCCGCGGGCGGGTGAAGTGTATCCGG  
 AATCCAGCAGCACCACGGCATGGTGGTGGCATCGTGGCGGGCGGGCGCTCTGCATCCTTATCCTTCT  
 CTACGCCATGTACAAGTACCGAACCGGACGAGGGCTCCTACCAAGTGGACCAGAGCCGAATTACATC  
 AGTAACTCGGCCAGAGCAATGGGGCGGTGGTGAAGGAGAAGGCCCCCGCTGCCCAAGACGCCAGCA  
 AGGCCAAGAAGACAAAGACAAAGAGTATTACGCTGA

CAAGCTTAACTAGCTAGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATC

TGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAAAC

**Restriction Sites:**

Sgfl-HindIII

**ACCN:**

NM\_053846

**Insert Size:**

5148 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_053846.1](#), [NP\\_446298.1](#)

**RefSeq Size:**

6436 bp

**RefSeq ORF:**

5148 bp

**Locus ID:**

116595

**UniProt ID:**

[Q63374](#)

**Cytogenetics:**

1q43

**Gene Summary:**

neuronal cell recognition molecule; may have a role in synaptogenesis [RGD, Feb 2006]