

Product datasheet for **RN204746**

Nrxn3 (NM_053817) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrxn3 (NM_053817) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nrxn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204746 representing NM_053817 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTTTACCCTCCACTCAGTTTTCTCACCTGAAGGTGAGCAGCTTCTGGGCTCCCTGGTGGGGC
TCTGCCTGGGTCTGGAGTTCATGGGCCTCCCTAACAGTGGGCCCGCTATCTACGCTGGGATGCTAGCAC
GCGCAGTGACTGAGCTCCAGTCAAGACCAATGTTCCACTGGGCTGCTCCTGTATTTGGATGATGGT
GGTGTCTGTGACTTCTCTGCCTCTCCCTGGTGGATGGCCGTGTTGAGCTCCGCTTTAGCATGGACTGCG
CCGAGACCACTGTGTTGTCCAACAAGCAGGTGAACGACAGCAGTTGGCACTTCTCATGGTGGAGCGTGA
CCGTGTGCGCACTGGGCTGGTATTGATGGTGAAGGCCAGTCTGGTGGAGTACGGGCCAGCGGCCCTAC
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ATGGAGTACAGAATGCCTGGCTTTAAGGATTAATGCTGGATCTCAAGTATGGCAACTCGAAGCTCG
GCTTCTCGGGAGCCAGAGTGTCCAGTTAGAAGCAGAGGGACCCTGTGGCAGCGTCCCTGTGAAATGGT
GGGATCTGCTTCTCTGGATGGTCACTCCACCTGTGACTGTTCTACCACTGGCTATGGCGGCACACTCT
GCTCAGAAGATGTCAGTCAAGTCCAGGCTCTCCATCTTATGATGAGTGAACAAGGTAGAAGTAAAGC
TCGAGAGGAGAAGCTGGCCACCTCCGAGGCTCAGAGTATCTGTCTATGACCTGTCCAGAACCCATC
CAGAGCAGCAGCAGTGAATCACCTTTCTTTAAGACCTGGCAACGCAATGGGCTCATCTCCACACCGG
GCAAGTCGGCCGACTATGTTAACCTGGCTGAAGGATGGTGGGCTCTCCTTGGTCATTAACCTGGGGTC
CGGGGCCCTTTGAGGCCATTGTTGGAGCCAGTGAATGGGAAATCAACGACAACGCCTGGCATGATGTCAA
GTGACACGCAATCTCGGCAGGTGACAATCTCTGTTGATGGCATCTAACAACAACAGGCTACACTCAAG
AGGACTACACCATGCTGGGCTCAGATGACTCCTCCTATGTTGGGCCAGCCCAAGCACTGCGGACTTGGC
AGGCTCACCTGTGAGCAACAATTCATGGGCTGCCTAAAGAGGTTGTTTATAAGAATAATGACATCCGT
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GAACACCAACGATGGGTTCCATCTCCTTTGACTTTCGACCCTGAGCCCAACGGTCTGATCCTCTTA
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TGGAACTTCTTGATGGCAACCTGTATTTGCTGCTTACATGGGCTCTGGCACCATCAAAGTGAAGGCCAC
TCAGAAGAAAGCCAATGATGGGAATGGTACCACGTGGACATTACGCGGGATGGCAGATCAGGTACCATA



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TCTGTGAACAGCAGGCGCACACCGTTCCACGCCAGTGGGCAAAGTGAAATCTTGACCTGGAGGGGACA
 TGTATCTGGGCGGACTGCCAGAGAACCGGGCTGGCCTCATTCTCCCCACGGAGCTCTGGACTGCCATGCT
 CAACTACGGTTATGTGGGCTGCATCCGCGACCTGTTATCGATGGGCGCAGCAAAAAACATCCGGCAGCTG
 GCGGAGATGCAGAATGCAGCAGGCGTCAAGTCTCCTGTTACGCATGAGCGCCAAGCAGTGTGACAGCT
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 GACTAGCGACTACCTCCAGGGATTCTGCAGATACACTGCGTCTAGAGTTGGATGGTGGGCGTGT
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 TAACAGTGGACGATGATGTGGCTGAGGGTACGATGGTGGGCGACCACCCCGCTGGAGTCCACAATAT
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 AGCCTCATGTTCAATGGCTTGTGTACATCGATTTGTGCAAAAAATGGTACATCGACTACTGCGAACTGA
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 ATGTGTTTGTATCTTGGCAATGGTCCCAATGTGATCAAAGGCAACAGTGACCGTCTCTGAATGACAACCA
 GTGGCACAACTTGTCACTCGGGACAACAGTAATACCCACAGCCTGAAAGTGGACACCAAGGTAGTC
 ACTCAGGTCAATCAATGGTCCAAGAACTCTGGATTTGAAAGGTGACCTCTATATGGCTGGCTTAGCCAGG
 GCATGTATAGCAACCTTCCAAGCTCGTGGCCTCTCGGGATGGATTTAGGGTGGCTGGCCTCTGTGGA
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 GTTTTACATGTACTGCTCCATGACATCATATTCTGAAACCAGTCAATGACCCCTGGTCCACATATAT
 CTTTGGGAAAAGCGGTGGTCTCATCCTTACACCTGGCCAGCAAATGACAGACCCAGCACACGCTCTGAC
 CGCCTCGCCGTGGGATTGACACCACTGTGAAGGATGGTGTCTTAGTACGCATCGACAGTCCCCCTGGAC
 TTGGCGACTTTCTCCAGTTCACATAGAACAAAGGAAAAATGGAGTTGTCTTCAATATTGGCACAGTTGA
 CATCTCCATCAAAGAAGAGAGAACCCTGTCAACGATGGCAAATACCATGTGGTGCCTTACCAGAAAT
 GGGGCCAATGCAACCTTCCAGGTGGACAACCTGGCCAGTGAATGAGCATTATCCTACAGGCAACACTGATA
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 GAAAAAGGCCGCGCAGCTAACCATCTTCAACCCAGGCGCAAATAGCCATCGGAGGAAAGGACAAAGGA
 CGTCTCTTCAAGGCCAATCTCTGGGCTATTATGATGGTTTGAAGTACTGAACATGGCGGCTGAGA
 ACAACCCTAATATTAATCAATGGAAGTGTCCGGCTAGTGGGAGAAGTCCCATCAGTCTCGGGAACAAC
 ACATACAACCTCCATGCCACCTGAAATGTCTACCACTGTGATGAAACCACCACCACGATGGCTACGACC
 ACCACCCGAAAAACCGCTCTACAGCCAGCATTAGCCAAACATCAGATGACCTTGTTCATCTGTGTAAT
 GCTCAAGTGTGATGAAGACTTTGTGAGTGTGAACCAAGTACAGGTAGGTGAGTAAAGAGTCTTTCCAC
 TTCAATCTTGAAGGTGGCTACAAAGCGCATGCGCCCAAGTGGGAATCCAAGGACTTTAGACCTAACAAA
 GTCTCGGAACTAGTAGAACTACAACCACTCTTTGTCCCCTGAGCTGATCCGCTTACAGCGTCTCCTCT
 CGTCTGGGATGGTGCCCAAATGGCCAGCTGGCAAAATGAATAACCGTGTCTCAAACCCAGCCTGATAT
 AGTCTTGCTTCCGTTGCCACTGCCTATGAGCTAGACAGCACCAAACTGAAGAGCCCACTAATTACTTGC
 CCCATGTTCCGTAATGTGCCACAGCAAACCCACGGAGCCAGGAATCAGACGGGTTCCGGGGCCTCAG
 AGGTGATCCGGGAGTCCAACAGTACAACAGGGATGGTCTGCGCATTGTGGCTGTGCGCCCTCTGCAT
 CTTGATCCTCTGTACGCCATGTACAAGTACAGGAACAGGGACGAGGGTCTATCAAGTGGACGAGACG
 AGGAACTACATCAGCAACTCGGCCAGAGCAACGGCACGCTCATGAAGGAGAAACAAGCCAGCTCCAAGA
 GCGGCCATAAGAAACAGAAAAACAAGGACAAGGAGTATTATGTAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_053817
 Insert Size: 4737 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:	<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_053817.2</u> , <u>NP_446269.2</u>
RefSeq Size:	6007 bp
RefSeq ORF:	4737 bp
Locus ID:	116508
UniProt ID:	<u>Q07310</u>
Cytogenetics:	6q31
Gene Summary:	brain specific cell surface protein; may act as a receptor and play a role in cellular signalling [RGD, Feb 2006]