

## Product datasheet for **MC229653**

### Nrxn2 (NM\_001205234) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nrxn2 (NM\_001205234) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nrxn2  
**Synonyms:** 6430591O13Rik; mKIAA0921  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229653 representing NM\_001205234  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGCTCGGGAGTCGGTGGCAACCGCCACCCAGCTGCCGCCGCTGCTGTTGCTGCTGGCGCTGGCGG  
CAGGCGTCCGTGGCTTGGAGTTCGGCGGGCGCCCGGGCAGTGGGCTCGTACGCGGCTTGGCGGGAGC  
GGCGAGCACCGGGGAGCTCAGCTTCAGCCTGCGCACCAACGCCAGCGCGCGCTGCTGCTCTACCTGGAC  
GACGGCGCGGACTGCGACTTCTTGGAGCTGCTGCTGGTGGACGGGCGCCTGCGGCTGCGCTTACCGTGT  
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GACCCGCGACGCGCGGCACGGCGCTGGCGGTGGACGGCGAAGCCCGCGCCGCGAGGTCCGCTCAAAG  
CGGCGGAGATGCAGGTGGCCAGCGACCTGTTCTGGGCGGCATCCCTCCCGACGTGCGCCTATCTGCAC  
TCACGCTCAGCACCGTCAAGTACGAGCCGCTTCCGCGGCTTCTGGCCAACCTGAAGCTGGGCGAGCG  
GCCCGCGCGCTGCTGGGTAGCCAGGGTCTGCGCGGTGCGGCCGCGACCTCTGTGTGCGCCTGCGCGC  
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CTGGATTTGGCGCAAGTCTCAGTGAAGAGGAACACCCCATGGAAGGTCCGGCTCACCTGACGTTAAA  
CAGCGAAGTAGGGTCTTACTGTTCTCCGAGGGGGGGCCGGGAGAGGAGAGCCGCGATGTGCACCCAG  
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GCTGCACACGGGGAAGTCGGCTGACTACGTCAACCTGTCCCTCAAGTCTGGGGCTGTCTGGCTGGTCATC  
AACCTAGGCTCAGGTGCCTTCGAGGCCCTCGTGAACCCGTCATGGCAAGTTCAACGACAACGCCTGGC  
ACGACGTCGGGTTACCCGAAACCTGCGCCAGCACGCAGGGATTGGACACGCTATGGTGACCATCTCGGT  
GGACGGGATCCTGACCACACAGGCTACACGCAGGAGATTACACCATGCTGGGCTCTGATGACTTCTTC  
TACATTGGGGGACGCCCCAACACAGCCGACCTGCCTGGCTCACCTGTGAGCAACAACCTTATGGGCTGCC  
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GAAGATGAAGCTGCAGGGGGATTGTCTTCCGTTGTGAGGATGTGGCTGCCTTGGACCCCTGTGACCTTT  
GAGAGTCTGAGGCCCTTGTGCGACTGCCCGCTGGAGCGCAAGCGCACTGGTTCATCTCCCTGGACT



TCAGAACCACTGAGCCCAATGGGTTGTTGCTCTTCAGCCAGGGCCGGCGGGCTGGGGCCGGGGTAGGCAG  
 TCACAGTTCTACCCAGAGGGCCGACTACTTTGCCATGGAGCTGTTGGATGGCTACCTCTACCTTCTGCTG  
 GACATGGGCTCCGGGGGCATCAAGCTGCGGGGCTCTAGCCGCAAGGTCAATGATGGTGAATGGTGCCACG  
 TGGACTTCAGAGGGACGGGCGCAAAGGCTCCATCTCTGTGAACAGCCGACGACGCCATTCTTGGCCAC  
 AGGAGAGAGCGAGGTCTGGACCTGGAGAGTGAAGTGTACCTGGCGGTCTCCCCGAGGGGGGACGAGTG  
 GACCTGCCACTGCCCCCTGAGGTGTGGACAGCTGCTCTCCGGGCTGGCTACGTGGGCTGTGTGAGAGACC  
 TCTTCATCGATGGACGGAGTTCGAGATCTCCGGGGCTGGCTGAGGCCAGGGGGCTGTGGCGTTGCTCC  
 TTTCTGCTCCCGGAGACCTGAAGCAGTGTGCGTCGGCCCTTGTGCAAAACGGGGGCATCTGTCGAGAG  
 GGCTGGAACCGGTTCTGTCTGTGACTGCATCGGGACCGGCTTTCTGGGTCGGGCTGCGAGAGAGAGGCCA  
 CGGTCTTAAGCTATGACGGCTCCATGTACATGAAGATCATGCTGCCCACTGCGATGCACACGGAAGCAGA  
 GGATGTGTCTTACGCTTCATGTCTCAGAGGGCATATGGACTCATGATGGCCACCACCTCCAGGGAGTGC  
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 CTTTCATCGTATCGAGTTGGTCAAGGGGTACATCCACTACGTGTTTGGCTGGGAAATGGCCCGTCTTG  
 ATGAAGGGAAACTCAGACAAACCAAGTCAATGACAACCAATGGCACAATGTGGTGGTGTCCAGGGACCCAG  
 GCAACGTGCACACACTGAAGATCGACTCCCGACAGTACGACAGCATTCCAACGGTGCAGGAAATCTGGA  
 TCTCAAAGGGGAGTTGTATATCGGTGGCTGAGCAAGAATATGTTGAGCAACCTGCCCAAGCTGGTGGCC  
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 ACGCCCTGCACCCATCGGGCAGGTGGAGAGGGGCTGTGATGGCCCTAGCACACCTGCACCGAAGAGTC  
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 GGAGGCCCTGTCTGCAATGACCTGGGACCACATACATCTTCGGGAAGGGGGGAGCGCTCATCACCTATA  
 CATGGCCTCCCAATGACCGGCCAGTACACGGATGGACCGCTGGCCGTAGGCTTTCAGCACACACACGCG  
 GAGCGTGTGCTGGTGCAGTGGACAGTGCCTCCGGCCTCGGGGACTACTGCAGCTGCACATTGACCGAG  
 GGCCTGTTGGGGTATTTTTAATGTGGGCACGGACGACATTACAATTGATGAGCCCAACGCCATCGTGA  
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 GCCAGTCAACGAGAGGTACCCGGCAGGAACTTTGATAACGAGCGCTGGCGATTGCTAGACAGAGAATC  
 CCCTACCGGCTTGGTTCGAGTAGTAGATGAGTGGCTGCTCGACAAAGGACGCCAGCTGACCATCTTCAACA  
 GCCAGGCTGCCATCAAGATAGGGGGCCGGGATCAGGGCCGCCCTTCCAGGGCCAGGTGTCCGGCCTCTA  
 CTACAATGGGCTCAAGGTACTGGCGCTGGCCCGCGAGAGCGACCCCAATGTGCGGACCGAAGGCCACCTA  
 CGGCTAGTAGGGGAGGGCCGCTCCGTGCTGCTCAGTGTGAGACCACTGCCACCACTCTGCTGGCCGACA  
 TGGCCACCACCATCATGGAGACCACCACCATTGGCCACCACCACTACTCGCCGGGGCCGTTCCCCAC  
 AATGAGGGACAGCACCCAGAACACAGATGACCTCCTGGTGGCCTCGGCTGAGTGTCCAAGTATGATG  
 GAGGACCTAGAGGAGTGTGAGCCTAGTACTGGAGGAGAGTTAATATTGCCATTATCACGGAGGACTCCT  
 TAGACCCTCCTCCGTGGCCACCCGATCCCCCTTCGTGCCCCACCCCCACCTTCTACCCTTTCTCAC  
 GGGCGTGGGTGCCACCAAGACACCCTGCCTCCGCCCGCCGCGCCGCCCGTCTCGGGGGGCCGCTGT  
 CAGGCCGAGCGCAGCAGCAGCTGCGAGGAGCCCGTGAAGCCTCGGGCTTCGCTCCGGGGAGGTCT  
 TTGACTCCAGCCTCCCCCCACGGACGACGAGGACTTTTACTACTTTTCCCTTGGTACGAGCCGAC  
 CACCCTCTGTGCCCCGAAGCCCCGACCAACCTCAGGACAGATGGGGCCACGGGCGCCCCGGGGT  
 CTATTTGGCCCTCCGCCAGCCCCAACCTGCCCGGGCAAATGAACCACCGAGACCCACTGCAGC  
 CGCTGCTGGAGAACCACCCCTGGGGCTGGGGTCCCCACGGCCTTCGAGCCGGCGGGCCGCTCCCT  
 GCGCCCCGGCGTGACCTCAGCCCCGGTTTCCCCGTCTGCCACAGCCAAACCCACGGGTCCGGGGGAG  
 CGCGGCCCGCCAGGTGCAAGTGGAGGTGATCCGCGAATCCAGCAGCACCGGGCATGGTGGTGGGCATCG  
 TGGCGGGCGGGCGCTCTGCATCCTCATTCTCCTACGCCATGTACAAGTACCGCAACCCGACGAGGG  
 CTCTACAGGTGGACCAGAGCCGGAATTACATCAGTAACTCGGCCAGAGCAATGGGGCGGTGGTGAAG  
 GAGAAGGCCCTGCTGCCCCAAGACGCCAAGCAAGGCCAAGAAGAACAAGACAAGAGTATTACGTCT  
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_001205234  |
| <b>Insert Size:</b>           | 5112 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001205234.1</a></u> , <u><a href="#">NP_001192163.1</a></u>   |
| <b>RefSeq Size:</b>           | 6677 bp   |
| <b>RefSeq ORF:</b>            | 5112 bp   |
| <b>Locus ID:</b>              | 18190   |
| <b>Cytogenetics:</b>          | 19  |