

## Product datasheet for MR212442

### Nrxn2 (NM\_020253) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nrxn2 (NM\_020253) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nrxn2  
**Synonyms:** 6430591O13Rik; mKIAA0921  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR212442 representing NM\_020253  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCTCGGGAGTCGGTGGCAACCGCCACCCAGCTGCCGCCGCTGCTGTTGCTGCTGGCGCTGGCGG  
 CAGGCGTCCGTGGCTTGGAGTTCGGCGGGCCCGGGCAGTGGGCTCGCTACGCGCGTTGGCGGGAGC  
 GCGGAGCACCGGCGAGCTCAGCTTCAGCCTGCGCACCAACGCCACGCGCGCTGCTGCTCTACCTGGAC  
 GACGGCGGCGACTGCGACTTCTGGAGCTGCTGCTGGTGGACGGGCGCCTGCGGCTGCGCTTACGCTGT  
 CTTGCGCGGAGCCCGCCACGCTGCAGCTGGACACGCCGTTGGCCGACGACCGCTGGCACATGGTGTGCT  
 GACCCGCGACGCGCGGCGCACGGCGCTGGCGGTGGACGGCGAAGCCCGCGCCGCGGAGGTCGGCTCAAAG  
 CGGCGCGAGATGCAGGTGGCCAGCGACCTGTCGTTGGCGGCATCCCTCCCGACGTGCGCCTATCTGCAC  
 TCACGCTCAGCACCGTCAAGTACGAGCCGCTTCCGCGGCTTCTGGCCAACCTGAAGCTGGGCGAGCG  
 GCCCGCGGCGTCTGGGTAGCCAGGCTGTCGCGGTGCGGCCGCGGACCTCTGTGTGCGCCTGCGCGC  
 AATCCCTGCGCCAACGGCGGTCTCTGCACCGTGTAGCCCCGGCGAGGTGGGCTGCGACTGCAGCCACA  
 CTGGATTTGGCGCAAGTCTGCAGTGAAGAGGAACACCCCATGGAAGGTCGGCTCACCTGACGTTAAA  
 CAGCGAAGTAGGGTCCTACTGTTCTCCGAGGGGGGGCCGGGAGAGGAGAGCCGGCGATGTGCACCA  
 CCGACAAAAGGCAAGGAGGAATTTGTGGCAACCTCAAGGCAATGAGTCTTCTGCTACGACCTGTCCC  
 ACAACCGATCCAGAGCAGCACTGACGAGATCACACTGGCCTTCCGACCCCTGCAGCGCAACGGGCTGAT  
 GCTGCACACGGGGAAGTCGGCTGACTACGTCAACCTGTCCCTCAAGTCTGGGGCTGTCTGGCTGGTCATC  
 AACCTAGGCTCAGGTGCCTTCGAGGCCCTCGTGGAAACCGTCAATGGCAAGTTCAACGACAACGCTGGC  
 ACGACGTCGGGTTACCCGAAACCTGCGCCAGCACGCAGGGATTGGACACGCTATGGTGACCATCTCGGT  
 GGACGGGATCCTGACCACACAGGCTACACGCAGGAGGATTACACCATGCTGGGCTCTGATGACTTCTTC  
 TACATTGGGGGACGCCCCAACACAGCCGACCTGCCTGGCTCACCTGTGAGCAACAACCTCATGGGCTGCC  
 TCAAGGACGTGGTCTACAAGAATAATGACTTCAAGCTGGAGCTGTCCCGACTGGCTAAGGAAGGGGACCC  
 GAAGATGAAGCTGCAGGGGATTGTCTTCCGTTGTGAGGATGTGGCTGCCTTGGACCTGTGACCTTT



[View online »](#)

GAGAGTCCTGAGGCCTTTGTCGCACTGCCCGCTGGAGCGCCAAGCGCACTGGTTCATCTCCCTGGACT  
 TCAGAACCACTGAGCCCAATGGGTTGTTGCTCTTCAGCCAGGGCCGGCGGGCTGGGGCCGGGTAGGCAG  
 TCACAGTTCTACCCAGAGGGCCGACTACTTTGCCATGGAGCTGTTGGATGGCTACCTCTACCTTCTGCTG  
 GACATGGGCTCCGGGGGCATCAAGCTGCGGGGCTTAGCCGCAAGGTCAATGATGGTGAATGGTGCCACG  
 TGGACTTCAGAGGGACGGGCGCAAAGGCTCCATCTCTGTGAACAGCCGACGACGCCATTCTTGGCCAC  
 AGGAGAGAGCGAGGTCTGGACCTGGAGAGTGAGCTGTACCTGGCGGTCTCCCCGAGGGGGGACGAGTG  
 GACCTGCCACTGCCCCCTGAGGTGTGGACAGCTGCTCTCCGGGCTGGCTACGTGGGCTGTGTGAGAGAC  
 TCTTCATCGATGGACGGAGTCGAGATCTCCGGGGCTGGCTGAGGCCAGGGGGCTGTGGGCGTTGCTCC  
 TTTCTGCTCCCGGAGACCTGAAGCAGTGTGCGTCGGCCCTTGTGAAACGGGGGCATCTGTCGAGAG  
 GGCTGGAACCGGTTGCTGTGACTGCATCGGGACCGGCTTTCTGGGTCGGGTCTGCGAGAGAGAGGCCA  
 CGGTCTTAAGCTATGACGGCTCCATGTACATGAAGATCATGCTGCCCACTGCGATGCACACGGAAGCAGA  
 GGATGTGTCTTACGCTTATGTCTCAGAGGGCATATGGACTCATGATGGCCACCACCTCCAGGGAGTCG  
 GCTGACACTCTGCGTCTCGAGCTGGACGGGGGCGAGATGAGGCTCACCGTCAACCTCGACTGCCTGCGCG  
 TCGGCTGCGCACCCAGTAAAGGCCCCGAGACACTGTTTGGGGGCGACAAGCTGAATGACAATGAATGGCA  
 CACGGTGAGGGTGGTCCGGCGTGCAAGAGCCTGCAGCTGTCCGTGGACAACGTGACTGTGGAGGGACAG  
 ATGGCAGGAGCCACACTCGGCTGGAGTCCACAACATTGAGACGGGCATTATGACAGAGCGGGCGTTTA  
 TCTCTGTGGTGCCCTCCAATTCTCGGGCACCTGAGTGGGCTGGTGTCAATGGTCAACCTACATGGA  
 CCAATGCAAAGATGGAGACATCACCTATTGTGAGCTTAATGCCCGCTTTGGCCTGCGTGCCATCGTGGCT  
 GATCCTGTACGTTCAAGAGTCGACGAGCTACCTGGCGTTAGCCACGCTGCAAGCCTATGCTTCCATGC  
 ATCTCTTCTTCCAGTTCAAGACCACGGCCCGAGATGGACTTCTGCTGTTCAACTCAGGCAACGGCAACGA  
 CTTTCATCGTATCGAGTTGGTCAAGGGGTACATCCACTACGTGTTGACCTGGGAAATGGCCCGTCTTG  
 ATGAAGGAAACTCAGACAAACCAAGTCAATGACAACCAATGGCACAATGTGGTGGTGTCCAGGGACCCAG  
 GCAACGTGCACACACTGAAGATCGACTCCCGCACAGTACGACGATTCCAACGGTGGGAAATCTGGA  
 TCTCAAAGGGGAGTTGTATATCGGTGGCCTGAGCAAGAATATGTTGAGCAACCTGCCAAGCTGGTGGCC  
 TCTCGGGATGGCTTTCAAGGCTGCTGGCTTCTGTGGACCTCAACGGACGCTCCAGACCTCATCGCTG  
 ACGCCCTGCACCGCATCGGGCAGGTGGAGAGGGGCTGTGATGGCCCTAGCACCACTGCACCGAAGAGTC  
 TTGTGCCAACCAGGGCGTCTGTCTGCAGCAGTGGGATGGTTTTACCTGTGACTGTACTATGACTTCTAT  
 GGAGGCCCTGTCTGCAATGACCTGGGACCACATACATCTTGGGAAGGGGGGAGCGCTCATCACCTATA  
 CATGGCCTCCCAATGACCGGCCAGTACACGGATGGACCGCTGGCCGTAGGCTTACGACACACCAGCG  
 GAGCGCTGTGCTGGTGCAGTGGACAGTGCCTCCGGCCTCGGGGACTACTGCAGCTGCACATTGACCAG  
 GGCCTGTTGGGGTATTTTTAATGTGGGCACGGACGACATTACAATTGATGAGCCCAACGCCATCGTGA  
 GCGACGGCAAATATCACGTGGTGCCTTTACTCGAAGTGGTGGCAATGCCACCTTGAAGTGGACAGCTG  
 GCCAGTCAACGAGAGGTACCCGGCAGGAACTTTGATAACGAGCGCTGGCGATTGCTAGACAGAGAATC  
 CCTACCGGCTTGGTTCGAGTAGTAGATGAGTGGCTGCTCGACAAAGGACGCCAGCTGACCATCTTCAACA  
 GCCAGGCTGCCATCAAGATAGGGGGCCGGGATCAGGGCCGCCCTTCCAGGGCCAGGTGTCCGGCCTCTA  
 CTACAATGGGCTCAAGGTACTGGCGTGGCCGCCGAGAGCGACCCCAATGTGCGGACCGAAGGCCACCTA  
 CGGCTAGTAGGGGAGGGCCGTCCTGTGCTCAGTGTGAGACCACTGCCACCACTCTGCTGGCCGACA  
 TGGCCACCACCATCATGGAGACCACCACCACATGGCCACCACCACTACTCGCCGGGGCCGTTCCCCAC  
 AATGAGGGACAGCACCCAGAACACAGATGACCTCTTGGTGGCTCGGCTGAGTGTCCAAGTATGATGAT  
 GAGGACCTAGAGGAGTGTGAGCCTAGTACTGCCAACCCACGGGTCCGGGGGAGCGCGGCCCGCCAGGTG  
 CAGTGGAGGTGATCCGCAATCCAGCAGACCACGGCATGGTGGTGGGATCGTGGCGGCGGCGCGCT  
 CTGCATCCTATTCTCTCTACGCCATGTACAAGTACCGCAACCGGACGAGGGCTCTACCAGGTGGAC  
 CAGAGCCGGAATTACATCAGTAACTCGGCCAGAGCAATGGGGCGGTGGTGAAGGAGAAGGCCCTGCTG  
 CCCCCAAGACGCCAAGCAAGGCCAAGAAGAACAAGACAAGAGTATTACGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212442 representing NM\_020253  
 Red=Cloning site Green=Tags(s)

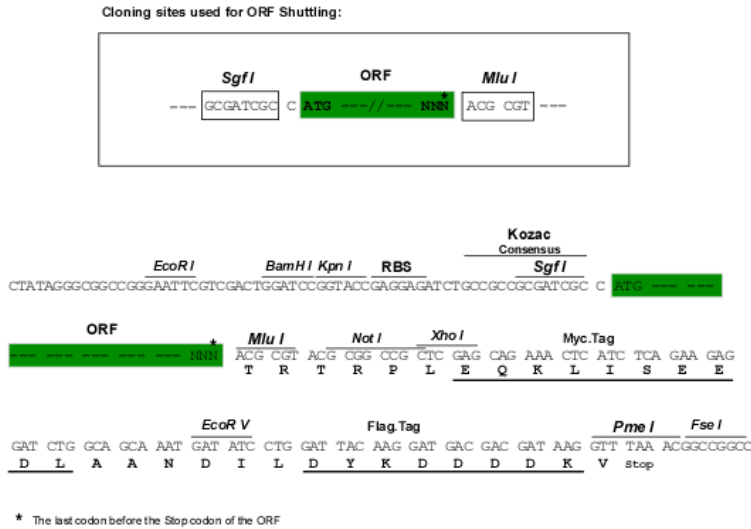
MALGSRWQPPPQLPPLLLLLALAAGVRGLEFGGGPGQWARYARWAGAASTGELSFSLRTNATRALLLYLD  
 DGGDCDFLELLLVDGRLRLRFTLSAEPATLQLDTPVADDRWHMVLLTRDARRTALVDGEARAAEVRSK  
 RREMQVASDLFVGGIPPDVRLSALTLSTVKYEPFRGLLANLKLGERPPALLGSQGLRGAADPLCAPAR  
 NPCANGGLCTVLAPGEVGCDCSHTGFGGKFCSEEEHPMEGPAHLTLNSEVGSLLFSEGGAGRGGAGDVHQ  
 PTKGKEEFVATFKGNEFFCYDLSHNPIQSSTDEITLAFRTLQRNGLMLHTGKSADYVNLCLKSGAVWLVI  
 NLGSGAFEALVEPVNGKFNDAWHVVRVTRNLRQHAGIGHAMVTISVDGILTTTGYTQEDYTMGSDDF  
 YIGGSPNTADLPGSPVSNFMGCLKDVVYKNNDFKLELSRLAKEGDKMKLQGDLSFRCDVAALDPVTF  
 ESPEAFVALPRWSAKRTGSI SLDFRTTEPNGLLFSQRRRAGAGVGSHTSQRADYFAMELLDGYLYLLL  
 DMGSGGIKLASSRKVNDGEWCHVDVQDRGKGSISVNSRSTPFLATGESEVLDLESELYLGLPEGGRV  
 DLPLPPEVWTAALRAGYVGCVRDLFIDGRSRDLRGLAEAQGAVGVAPFCSRETLLKQCASAPCRNGGICRE  
 GWNRFVCDICIGTFLGRVCEREATVLSYDGSMMYKIMLPAMHTEADVSLRFMSQRAYGLMMATT SRES  
 ADTLRLELDGGQMLTVNLDCLRVGCAPSKGPETLFAGHKLNDNEWHTVRVRRGKSLQLSVDNVTVEGQ  
 MAGAHTRLEFHNIETGIMTERRFISVVP SNF IGHLSGLVFNGQPYMDQCKDGDITYCELNARFGLRAIVA  
 DPVTFKSRSSYLALATLQAYASMHFFQFKTAPDGLLLFNSGNGNDFIVIELVKGYIHYVFDLNGPSL  
 MKGNSDKPVNDNQWHNVVSRDPGNVHTLKIDSRTVTQHSNGARNLCLKGELYIGGLSKNMFNLPLKVA  
 SRDGFQGLASVDLNGRLPDLIADALHRIGQVERGCDGPSTTCTEESCANQGVCLQQWDGFTCDCTMSY  
 GGPVCNDPGTTYIFGKGGALITYWPPNDRPSTRMDRLAVGFSTHQSAVLRVDSASGLGDYLQLHIDQ  
 GTVGVIFNVGTDITIDEPNIVSDGKYHVVRFTRSGGNATLQVDSWPVNERYPAGNFNERLAIARQRI  
 PYRLGRVVDEWLLDKGRQLTIFNSQAAIKIGRDQGRPFQGVSLYNGLKVLAALAEADPNVREGLH  
 RLVEGEPVLLSAETTATLLADMATTIMETTTMATTTRRGRSPTMRDSTTQNTDILLVASAECPSDD  
 EDLEECPSTANPTGPGERGPAGAVEVIRESSSTTGMVVGIVAAAAALCILILLYAMYKYRNRDEGSYQVD  
 QSRNYISNSAQSNQAVVKEKAPAAPKTPSKAKKNKDKKEYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja1301\\_f09.zip](https://cdn.origene.com/chromatograms/ja1301_f09.zip)

Restriction Sites: SgfI-MluI

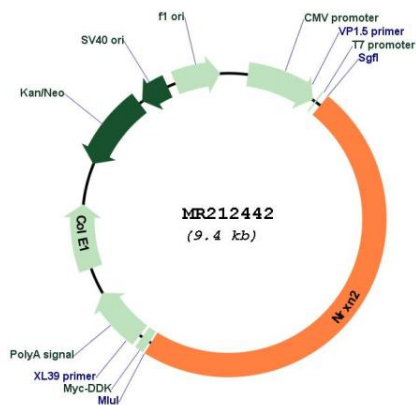
Cloning Scheme:



ACCN: NM\_020253

<b>ORF Size:</b>	4533 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_020253.4</a>
<b>RefSeq Size:</b>	5656 bp
<b>RefSeq ORF:</b>	4536 bp
<b>Locus ID:</b>	18190
<b>Cytogenetics:</b>	19
<b>MW:</b>	164.3 kDa

**Product images:**



Circular map for MR212442