

## Product datasheet for **RN210792**

### **Nlgn2 (NM\_053992) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nlgn2 (NM_053992) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nlgn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210792 representing NM\_053992  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTCCTGGCGTTGTGTCTGGTGGGGCTGGCTGGGGCTCAACGGGGAGGAGGGGTCCCGCGCGC  
 GCGCCCCGGGCGGCCAGGCCTGGGCTCGGCAGCCTCGGGGAGGAGCGCTTCCCGTGGTGAACACAGC  
 CTACGGGCGAGTGC CGGTGTGCGGCGCGAGCTCAACAACGAGATCCTGGGCCGGTCTGCAGTTCCTG  
 GGCGTGCCCTACGCCACGCCGCCCTTGGGCGCCCGCCTTCCAGCCGCTGAGGCACCTGCCTCGTGCC  
 CCGGCGTGCACACGCCACCACCCTGCCGCCGCTGCCGCGAGAACCTGCACGGGGCCCTGCCGCCAT  
 CATGCTGCCTGTGTGGTTCACCGACAACCTGGAGGCGGCCACCTACGTGCAGAACAGAGCGGAGGAC  
 TGCTGTACCTCAACCTCTACGTGCCACTGAGGACGGTCCGCTCACAAAAAACGTGACGAGGCGACGC  
 TCAATCCGCCAGACAGATATCCGGGACTCTGGGAAGAAACAGTCATGCTGTTTCTACCGCGCGCTC  
 CTACATGGAGGGCACCGGAACATGTTGACGGCTCAGTCTGGTGCCTATGGCAATGCATCGTAGCC  
 ACACTCAACTACGCTCTTGGGGTCTCGGCTTTCTCAGCACTGGTGACCAGGCTGCAAAAAGGCAACTACG  
 GGCTCCTGGACCAGATCCAGGCCCTGCGCTGGCTCAGTAAAAACATTGCCCACTTTGGCGGTGACCTGA  
 ACGCATACCATCTTTGGGTCTGGTGC GGCGGCCCTCCTGTGTCAACTTGCTGATCCTCTCCACCATTCA  
 GAAGGGCTGTTCCAGAAGGCCATTGCTCAGAGTGGCACTGCCATTTCCAGCTGGTCTGTCAACTACCAGC  
 CGCTCAAGTACACGCGGCTGTGGCAGCCAAAGTGGGCTGTGACCGAGAGGACAGCACGGAAGCTGTGGA  
 ATGTCTACGCCGAAGTCTTCCCGGAGCTAGTAGACCAGGATGTGCAGCCTGCCGCTACCACATTGCC  
 TTTGGGCTGTGGTGGACGGCGATGTAGTCCCTGATGACCCTGAGATCCTCATGCAACAGGGAGAATTCC  
 TCAACTACGACATGCTCATTGGCGTCAACCAGGAGAGGGTCTCAAGTTCTGTGGAGGACTCTGCAGAGAG  
 TGAGGACGGGGTGTCTGCCAGCGCTTTGACTTCACTGTCTCCAACCTTTGTGGACAACCTGTATGGGTAT  
 CCAGAGGGCAAGGATGTGCTTCGAGAGACCATCAAGTTCATGTACACGGACTGGGCTGACCGGGACAATG  
 GCGAGATGCGGCGTAAGACCCTGTTGGCACTCTTACTGACCACCAGTGGGTAGCCCCAGCTGTGGCCAC  
 TGCCAAGCTACATGCTGACTACCAGTCCCTGTCTACTTTTACACTTTTTACCACCCTGCCAGGCTGAG  
 GGCCGGCCAGAGTGGGAGATGCAGCGCATGGGATGAGCTGCCCTACGCTTTTGGTGTGCCCATGGTGG  
 GCGCCACCACCTTCCCTGCAACTTCTCAAGAATGATGTCATGCTCAGCGCAGTAGTCATGACCTA  
 CTGGACCAACTTCGCAAGACTGGTGACCCCAACCAGCCTGTGCCACAGGACACCAAGTTCATCCACACC  
 AAGCCCAACCGCTTTGAAGAGGTGGTATGGAGCAAGTTCAACAGCAAGGAAAAGCAGTACCTGCACATAG  
 GCTTGAACCACGCGTGGTGCACACTACCGTGCCAACAAGTGGCCTTCTGGCTGGAGCTCGTGCCCA  
 CCTGCACAACCTGCACACAGAGCTTTCACCACCACCACTCGCCTGCCTCCCTACGCCACAGCTGGCCA  
 CCTCGCACACCGGGTCTGGCACTTCCGGCACACGCCGTCTCCCCACCCGCCACTCTGCCACCTGAGT  
 CTGATATTGACCTGGGCCCAAGGGCCTATGACCCTTCCCGGTGACTCGAGGGACTACTCCACGGAGCT  
 AAGCGTGACTGTAGCAGTGGGTGCCTCCCTCCTTCTCAACATCCTTGCCCTTTGCCGCCCTACTAC  
 AAGCGGACCGCGCCAGGAGCTGCGGTGCAGGCGGCTTAGCCACCAGGAGGCTCAGGCTCAGGTGTGC  
 CTGGTGGGGCCCTTGTCTCCACTGCTGGCCGTGAGCTACCCCTGAGGAGGAGCTGGTATCGCTGCA  
 GCTGAAGCGGGTGGTGGCGTTGGGCGGACCTGCTGAGGCCCTGCGCCCTGCCTGTCCACCCGACTAT  
 ACCCTGGCCTTGC GCGGACCGGACGATGTGCCTCTCTTGGCCCCGGGGCCCTGACCCCTGTGCCCA  
 GTGGCCTGGGGCCCCCGCCCCACCCCACTCCTTCTCTCCATCCCTTTGGGCCCTTCCACCACCACC  
 CCTACTGCTACCAGCCACAACAACAGCTACCCCATCCCACTCCACCCTCGGGTATAG

**CAAGCTT**AACTAGCTAGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATC  
 TGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAAAC

**Restriction Sites:** SgfI-HindIII  
**ACCN:** NM\_053992  
**Insert Size:** 2511 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>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_053992.1</a> , <a href="#">NP_446444.1</a>
<b>RefSeq Size:</b>	3993 bp
<b>RefSeq ORF:</b>	2511 bp
<b>Locus ID:</b>	117096
<b>UniProt ID:</b>	<a href="#">Q62888</a>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	cell surface protein that binds to a subset of neuroligins [RGD, Feb 2006]