

Product datasheet for **MC221904**

Nlgn3 (NM_172932) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Nlgn3 (NM_172932) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Nlgn3 |
| Synonyms: | A230085M13Rik; HNL3; NL3; NLG3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221904 representing NM_172932
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGCTGCAGCCCTCGCTGTCCCTGAGCCCCACGCCACAGTTGGCCGGAGCCTGTGCCTCACCTGG
 GCTTCCTCAGTTTGGTGCTGAGGGCCAGTACCCAGGCCCGGCACCCACAGTCAATACTCACTTTGGGAA
 GCTAAGGGGTGCCAGAGTACCATTGCCAGTGAATCCTGGTCTGTGGACCAATACCTGGGGTACCC
 TACGCAGCTCCCCGATCGGCGAGAAACGTTTCTGCCCCCTGAACCACCCCATCTGGTGGGCATCC
 GGAACGCCACACTTTCCCCAGTGTGCCCCAGAACATCCACACAGCTGTGCCGAAGTCATGCTGCC
 AGTCTGGTTCAGTCCAACTTGGATATCGTCGCCACTTATATCCAGGAGCCCAACGAAGATTGCCTCTAT
 CTGAATGTGTATGTGCCACGGAAGATGGATCCGGCGCTAAGAAACAGGGCGAGGACTTAGCGGATAATG
 ACGGGGATGAAGATGAAGACATCCGAGACAGTGGTGTAAACCTGTCATGGTCTACATCCACGGAGGCTC
 TTACATGGAAGGAACAGGCAACATGATTGATGGCAGTGTCTTGAAGTTACGGCAACGTCATCGTCATC
 ACCCTCAACTATCGGGTGGGGTCTAGGTTTCTGAGCACTGGAGATCAGGCTGCCAAGGGCAACTATG
 GGCTCCTTGATCAATCCAGGCCCTTCGCTGGGTGAGTGAGAATATTGCCTTCTTTGGAGGAGATCCCCG
 TAGAATTAAGTGTCTTTGGCTCTGGCATCCGTGCATCCTGTGTCAGTCTCCTTACACTGTCTCATATTCT
 GAGGGGCTTTTCCAGAGGGCCATCATCAAAGTGGCTCTGCTCTATCTAGCTGGGCTGTGAACTACCAAC
 CAGTGAAGTATACCAGCTTGTGGCAGACAAAGTGGGCTGAACGTCCTGGACACTGTGGATATGGTGGA
 TTGTCTTCGACAAAAGAGTGCCAAGGAGCTGGTGAACAGGACATTCAGCCAGCCCGCTACCATGTGGCT
 TTTGGCCCTGTGATTGATGGTGTGTCATTCTGATGACCCTGAGATCCTTATGGAGACGGGAGAGTTCC
 TCAACTATGATATCATGCTAGGCGTCAACCAGGTGAGGGTCTCAAGTTTGTGGAAGGGTGGTGGACCC
 CGAGGATGGTGTCTCGGGCACTGACTTTGACTACTCTGTCTCCAATTTTGTGGACAATCTGTATGGCTAT
 CCTGAGGGTAAGGACACCCTGCGGGAGACTATCAAGTTCATGTATACGGACTGGGCGAGCCGAGACAACC
 CTGAGACCCGCCGTAACAACTGGTGGCACTCTTCACTGACCACCAGTGGGTGGAGCCTTCAGTGGTGAC
 AGCCGACTGTCACGCCCGCTATGGCTCACCTACTTCTACGCCTTCTACCATCACTGCCAGAGCCTC
 ATGAAGCCCGCATGGTGCAGTGCAGCACACGGGGATGAAGTGCCTATGTTTTGGTGTCCCTATGGTAG
 GTCCCACTGACCTTTTCCCTGCAACTTCTCAAGAATGATGTTATGCTCAGTGTGTCGTCATGACCTA
 TTGGACCAACTTTGCCAAGACCGGGGATCCCAACAAGCCGGTACCCAGGATACCAAGTTCATTACACC
 AAGGCCAACCGCTTTGAGGAAGTGGCCTGGTCCAATACAATCCCGAGACCAGCTCTACCTTCACATCG
 GGCTGAAACCAAGGGTTGCTGATCATTACCGGGCCACAAAGGTAGCCTTTTGGAAACACCTGGTGCCCA
 CCTGTACAACCTGCATGACATGTTCCACTATACATCCACGACCACCAAGTGCCGCCCGGACACCACC
 CACAGCTCCCACATCACCCGTAGGCCAACGGCAAGACCTGGAGCACCAAGCGGCCGGCGATTTACCTG
 CCTACAGCAATGAGAATGCCCTGGGTCCTGGAATGGGGACCAGGATGCGGGGCCACTCCTGGTTGAGAA
 CCCTCGAGACTACTCCACTGAATTAAGTGTCACTATCGCTGTGGGGCCCTCCCTCCTGTTTCTCAATGTG
 TTGGCCTTTGCTGCCCTTATTACCGTAAGGACAAACGGCGCCAGGAGCCCTGAGGCAGCCTAGCCCC
 AAAGGGGAAGTGGTGGCCCTGAATTGGGAAGTGTCCGGAGGAGGAGCTGGCAGCATTACAGTTGGTCC
 CACTACCATGAATGTGAGGCCGGTCCCCACATGACACACTTCGCCTCACAGCACTGCCGACTATACC
 CTGACCCTGCGGGCTCCCTGATGACATCCCACTCATGACTCCCAACACCATCACTATGATTCCTAATT
 CCCTGGTTGGGTTGCAGACCTTGACCCCTATAACACCTTTGCCGAGGGTTCAACAGTACTGGGCTGCC
 CCACTCACACTCCACTACCCGTGT**AG**

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_172932
Insert Size: 2478 bp

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| 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: | NM_172932.4 , NP_766520.2 |
| RefSeq Size: | 3899 bp |
| RefSeq ORF: | 2478 bp |
| Locus ID: | 245537 |
| UniProt ID: | Q8BYM5 |
| Cytogenetics: | X D |
| Gene Summary: | Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and probably mediates its effects by recruiting and clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. May also play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system.[UniProtKB/Swiss-Prot Function] |