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Product datasheet for MC228330

Nrxn3 (NM_001252074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrxn3 (NM_001252074) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrxn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC228330 representing NM_001252074
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCACCTGAGAATCCACCCAAGACGGAGCCCTCCTCGCCGGCCGGCCTGGACGCTTGGGATCTGGTCCC
TCTTCTGGGGATGTATCGTCAGCTCTGTGTGGAGTTCTTCTAATGTAGCCTCCTCCTCCTCTTCCTCTCC
GGGATCTCACTCTCAGCAGGAACACCATTTCCACGGCAGCAAGCACCACTCTGTGCCTATTTCTATCTAT
CGCTCCCCTGTTTCCCTTCGAGGAGGGCACGCTGGTGCAACATACATCTTTGGGAAAAGCGGTGGCCTCA
TCCTCTATACCTGGCCAGCAAATGACAGACCCAGCACACGCTCTGACCGTCTCGCCGTGGGCTTCAGCAC
TACTGTGAAGGATGGTATCTTAGTACGCATTGACAGCGCCCCTGGACTTGGCGACTTCCTCCAGCTTCAC
ATAGAACAAGGGAAAATTGGAGTTGTCTTCAATATTGGCACAGTTGACATCTCCATCAAAGAAGAGAGAA
CTCCTGTCAATGATGGCAAATACCACGTTGTGCGCTTCACCAGGAATGGGGGAAATGCTACACTTCAGGT
GGACAACTGGCCAGTGAATGAGCACTATCCTACAGGCAACACTGATAATGAACGCCTCCAAATGGTAAAA
CAGAAAATCCCCTTCAAATATAACCGGCCCGTAGAGGAGTGGCTGCAGGAAAAAGGCCGGCAGCTAACCA
TCTTCAACACCCAGGCGCAAATAGCCATCGGAGGAAAGGACAAAGGACGTCTCTTCCAAGGTCAACTCTC
TGGGCTCTATTATGATGGTTTGAAAGTACTGAACATGGCAGCTGAGAACAACCCTAATATTAAAATCAAT
GGAAGTGTCCGGCTAGTGGGAGAAGTCCCATCAGTCTCAGGAACAACACAGACAACGTCCATGCCACCTG
AAATGTCTACCACCGTCATGGAAACCACCACCACCATGGCTACGACCACCACCCGAAAGAACCGCTCTAC
AGCCAGCATTCAGCCCACGTCAGATGATCTTGTTTCATCTGCTGAATGTTCAAGTGATGATGAAGACTTT
GTCGAATGTGAACCAAGTACAGGTAGGTCAGATAAGAGTCTTTCCACTTCAATCTTCGAAGGTGGCTACA
AAGCACATGCGCCCAAGTGGGAATCCAAGGACTTTAGACCTAACAAAGTCTCGGAAACTAGTAGAACTAC
AACCACCTCTTTGTCCCCTGAGCTGATCCGCTTCACAGCGTCCTCCTCGTCTGGGATGGTGCCCAAATTG
CCAGCTGGCAAAATGAATAACCGTGATCTCAAACCCCAGCCTGATATAGTCTTGCTTCCGTTGCCCACTG
CCTATGAGCTAGACAGCACCAAACTGAAGAGCCCACTAATTACTTCCCCCATGTTCCGTAATGTGCCCAC
AGCAAACCCCACGGAGCCAGGAATCAGACGGGTTCCGGGGGCCTCAGAGGTGATCCGGGAGTCCAGCAGT
ACAACAGGGATGGTCGTCGGCATTGTGGCTGCTGCCGCCCTCTGCATCTTGATCCTCCTGTACGCCATGT
ACAAGTACAGGAACAGGGACGAGGGGTCCTATCAAGTGGACGAGACGAGGAACTACATCAGCAACTCGGC
CCAGAGCAACGGCACGCTCATGAAGGAGAAGCAAGCCAGCTCCAAGAGCGGCCATAAGAAACAGAAAAAC
AAGGACAAGGAGTATTATGTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252074

Insert Size: 1704 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	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_001252074.2, NP_001239003.1
RefSeq Size:	5157 bp
RefSeq ORF:	1704 bp
Locus ID:	18191
UniProt ID:	Q8C985
Cytogenetics:	12 42.94 cM
Gene Summary:	This gene encodes a member of a family of proteins that function in the nervous system as receptors and cell adhesion molecules. Extensive alternative splicing and the use of alternative promoters results in multiple transcript variants for this gene, but the full-length nature of many of these variants has not been determined. Transcripts that initiate from an upstream promoter encode alpha isoforms, which contain epidermal growth factor-like (EGF-like) sequences and laminin G domains. Transcripts initiating from the downstream promoter encode beta isoforms, which lack EGF-like sequences. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (3) differs in the 5' UTR and contains multiple differences in the coding region, including the lack of multiple 5' exons, compared to variant 1. It initiates translation at an alternate start codon. The encoded isoform (3) is shorter and has a distinct N-terminus, compared to isoform 1. This variant encodes a beta isoform of neurexin 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.