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Product datasheet for MC229632

Nrxn3 (NM_001198587) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrxn3 (NM_001198587) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrxn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC229632 representing NM_001198587
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTTTACCCTCCACTCAGTTTTCTTCACCTTGAAGGTGAGCATCTTTCTGGGCTCCCTGGTGGGGC
TTTGCCTGGGTCTGGAGTTCATGGGCCTTCCTAACCAGTGGGCCCGCTACCTGCGTTGGGATGCAAGCAC
GCGCAGTGACCTGAGCTTCCAGTTCAAGACCAATGTTTCCACTGGGCTGCTCCTGTATTTGGATGATGGT
GGTGTCTGTGACTTCCTCTGTCTCTCCCTGGTGGATGGCCGCGTTCAGCTCCGCTTTAGCATGGACTGTG
CCGAGACCACTGTGCTATCCAACAAGCAGGTGAACGACAGCAGTTGGCACTTCCTCATGGTGAGCCGTGA
TCGTGTGCGCACTGGGCTGGTGATTGATGGTGAGGGCCAGTCTGGAGAGCTACGGCCCCAGCGGCCTTAT
ATGGATGTGGTCAGTGATTTGTTCCTCGGTGGCGTCCCCGCTGACATTCGACCTTCTGCCCTGACCCTCG
ATGGAGTACAGAGCATGCCTGGCTTTAAGGGATTAATGCTGGATCTCAAGTATGGCAACTCGGAACCTCG
GCTTCTGGGGAGCCAGAGCGTCCAGTTAGAAGCAGAGGGACCCTGTGGCGAGCGTCCCTGTGAAAATGGT
GGGATCTGCTTCCTCTTGGATGGTCATCCCACCTGTGACTGTTCTACCACTGGCTATGGTGGCACACTCT
GCTCAGAAGATGTCAGTCAAGGTCCAGGCCTCTCCCATCTTATGATGAGTGAACAAGCACGAGAGGAGAA
CGTGGCCACCTTCCGAGGCTCAGAGTATCTGTGCTATGACCTGTCCCAGAACCCCATCCAGAGCAGCAGC
GACGAAATCACCCTTTCCTTTAAGACCTGGCAACGCAATGGGCTCATCCTCCACACTGGCAAGTCGGCCG
ACTATGTTAACCTGGCTCTGAAGGATGGTGCGGTCTCCTTGGTCATTAACCTGGGGTCCGGGGCCTTTGA
GGCCATTGTGGAGCCAGTGAATGGGAAATTCAACGACAACGCCTGGCATGATGTCAAAGTGACACGCAAT
CTTCGGCAGGTGACAATCTCTGTGGATGGCATCCTAACCACAACGGGCTACACTCAAGAGGACTACACCA
TGCTGGGCTCAGATGACTTCTTCTATGTTGGTGGAAGCCCAAGTACCGCAGACTTGCCAGGTTCACCTGT
GAGCAACAACTTCATGGGCTGCCTTAAAGAGGTTGTTTATAAGAATAATGACATCCGTCTAGAGCTGTCT
CGCTTGGCCCGGATTGGAGACACCAAGATGAAAATCTATGGTGAAGTTGTGTTCAAGTGTGAGAACGTGG
CCACACTGGATCCCATCAACTTTGAGACCCCAGAGGCTTACATCAGCTTGCCCAAGTGGAACACCAAACG
TATGGGCTCCATTTCCTTTGACTTTCGCACCACTGAGCCCAACGGCCTGATTCTCTTCACTCACGGGAAG
CCTCAAGAAAGGAAAGATGTCCGGAGCCAAAAGAACACAAAAGTTGACTTCTTTGCTGTGGAACTTCTTG
ATGGCAACCTGTATTTGCTGCTTGACATGGGCTCTGGCACCATCAAAGTGAAGGCCACTCAGAAGAAGGC
CAATGATGGGGAATGGTACCACGTGGATATTCAGCGTGATGGCAGATCAGGTACCATATCTGTGAACAGC

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AGGCGCACGCCATTCACCGCCAGTGGGGAGAGTGAAATTCTCGACCTGGAGGGGGACATGTATCTGGGCG
GGCTGCCAGAGAACCGAGCTGGCCTCATCCTCCCCACGGAGCTCTGGACCGCCATGCTCAACTACGGTTA
CGTGGGCTGCATCCGCGACCTGTTCATCGATGGGCGCAGCAAGAACATCCGGCAGCTGGCGGAGATGCAG
AACGCAGCAGGCGTCAAGTCCTCCTGTTCACGCATGAGCGCCAAGCAGTGTGACAGCTACCCCTGCAAGA
ACAACGCGGTGTGCAAGGACGGCTGGAACCGCTTCATCTGCGACTGCACTGGCACCGGCTACTGGGGGAG
AACCTGCGAAAGAGAGGCATCTATCCTGAGCTATGACGGCAGCATGTACATGAAGGTCATCATGCCCATG
GTGATGCACACGGAGGCAGAGGATGTGTCCTTCCGCTTCATGTCACAGCGAGCCTATGGGCTACTGGTAG
CCACAACCTCCAGGGATTCTGCAGATACACTGCGTCTAGAGTTGGATGGTGGGCGTGTCAAGCTCATGGT
TAACTTAGACTGTATCAGGATAAACTGTAACTCCAGCAAAGGACCTGAGACCCTGTATGCAGGGCAGAAG
CTCAATGACAATGAGTGGCACACCGTCCGGGTAGTGCGGAGAGGAAAAAGCCTTAAGCTAACAGTGGATG
ATGATGTGGCTGAGGGGACAATGGTGGGCGACCACACCCGCCTGGAATTCCACAATATTGAAACTGGTAT
CATGACTGAGAAGCGTTACATCTCTGTGGTCCCCTCCAGTTTCATTGGCCATCTACAGAGCCTCATGTTC
AATGGCTTACTGTACATTGATTTGTGCAAAAATGGCGACATCGACTACTGTGAACTGAAGGCTCGCTTTG
GACTGAGAAACATCATCGCCGACCCTGTCACTTTTAAGACCAAGAGCAGCTACCTGACCCTCGCCACCCT
ACAGGCTTACACCTCCATGCACCTCTTCTTCCAGTTCAAGACCACTTCAGCTGATGGCTTCATTCTCTTC
AATAGCGGAGATGGCAATGATTTTATTGCAGTTGAGCTGGTCAAGGGGTACATACACTATGTGTTTGATC
TCGGCAATGGTCCCAATGTGATCAAAGGCAACAGTGACCGCCCCCTGAATGACAACCAGTGGCACAACGT
GGTCATCACCAGGGACAGCAGTAACACCCACAGTCTGAAGGTGGACACCAAGGTAGTCACTCAGGTCATC
AATGGTGCCAAAAATCTGGATTTGAAAGGTGACCTCTATATGGCTGGCTTAGCCCAGGGCATGTACAGCA
ACCTTCCCAAGCTTGTGGCCTCCAGGGATGGATTTCAGGGCTGCCTGGCCTCTGTGGACTTGAATGGACG
CCTGCCTGATCTCATCAACGATGCTCTCCACAGGAGTGGACAGATCGAGCGAGGCTGTGAAGGACCCAGT
ACAACCTGTCAGGAGGATTCATGCGCCAACCAGGGAGTTTGCATGCAGCAGTGGGAAGGTTTCACCTGTG
ACTGCTCCATGACATCATATTCTGGAAACCAGTGCAATGACCCTGGTGCAACATACATCTTTGGGAAAAG
CGGTGGCCTCATCCTCTATACCTGGCCAGCAAATGACAGACCCAGCACACGCTCTGACCGTCTCGCCGTG
GGCTTCAGCACTACTGTGAAGGATGGTATCTTAGTACGCATTGACAGCGCCCCTGGACTTGGCGACTTCC
TCCAGCTTCACATAGAACAAGGGAAAATTGGAGTTGTCTTCAATATTGGCACAGTTGACATCTCCATCAA
AGAAGAGAGAACTCCTGTCAATGATGGCAAATACCACGTTGTGCGCTTCACCAGGAATGGGGGAAATGCT
ACACTTCAGGTGGACAACTGGCCAGTGAATGAGCACTATCCTACAGGCAACACTGATAATGAACGCCTCC
AAATGGTAAAACAGAAAATCCCCTTCAAATATAACCGGCCCGTAGAGGAGTGGCTGCAGGAAAAAGGCCG
GCAGCTAACCATCTTCAACACCCAGGCGCAAATAGCCATCGGAGGAAAGGACAAAGGACGTCTCTTCCAA
GGTCAACTCTCTGGGCTCTATTATGATGGTTTGAAAGTACTGAACATGGCAGCTGAGAACAACCCTAATA
TTAAAATCAATGGAAGTGTCCGGCTAGTGGGAGAAGTCCCATCAGTCTCAGGAACAACACAGACAACGTC
CATGCCACCTGAAATGTCTACCACCGTCATGGAAACCACCACCACCATGGCTACGACCACCACCCGAAAG
AACCGCTCTACAGCCAGCATTCAGCCCACGTCAGATGATCTTGTTTCATCTGCTGAATGTTCAAGTGATG
ATGAAGACTTTGTCGAATGTGAACCAAGTACAGATAAGAGTCTTTCCACTTCAATCTTCGAAGGTGGCTA
CAAAGCACATGCGCCCAAGTGGGAATCCAAGGACTTTAGACCTAACAAAGTCTCGGAAACTAGTAGAACT
ACAACCACCTCTTTGTCCCCTGAGCTGATCCGCTTCACAGCGTCCTCCTCGTCTGGGATGGTGCCCAAAT
TGCCAGCTGGCAAAATGAATAACCGTGATCTCAAACCCCAGCCTGATATAGTCTTGCTTCCGTTGCCCAC
TGCCTATGAGCTAGACAGCACCAAACTGAAGAGCCCACTAATTACTTCCCCCATGTTCCGTAATGTGCCC
ACAGCAAACCCCACGGAGCCAGGAATCAGACGGGTTCCGGGGGCCTCAGAGGTGATCCGGGAGTCCAGCA
GTACAACAGGGATGGTCGTCGGCATTGTGGCTGCTGCCGCCCTCTGCATCTTGATCCTCCTGTACGCCAT
GTACAAGTACAGGAACAGGGACGAGGGGTCCTATCAAGTGGACGAGACGAGGAACTACATCAGCAACTCG
GCCCAGAGCAACGGCACGCTCATGAAGGAGAAGCAAGCCAGCTCCAAGAGCGGCCATAAGAAACAGAAAA
ACAAGGACAAGGAGTATTATGTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001198587

Insert Size: 4716 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_001198587.3, NP_001185516.2
RefSeq Size:	7933 bp
RefSeq ORF:	4716 bp
Locus ID:	18191
UniProt ID:	Q6P9K9
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 (1) represents the longest transcript and encodes the longest isoform (1). This variant encodes an alpha isoform of neurexin 3.