

Product datasheet for MR212043

Nrxn3 (BC060719) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrxn3 (BC060719) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrxn3
Synonyms:	6332407J11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212043 representing BC060719 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGAGCTTTACCCTCCACTCAGTTTTCTCACCTGAAGGTGAGCATCTTCTGGGCTCCCTGGTGGGGC
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GGTGTCTGTGACTTCTCTGTCTCTCCCTGGTGGATGGCCGCTTCAGCTCCGCTTAGCATGGACTGTG
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TCGTGTGCGCACTGGGCTGGTGATTGATGGTGAAGGCCAGTCTGGAGAGCTACGGCCCCAGCGGCCCTTAT
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TTTCGCACCACTGAGCCCAACGGCCTGATTCTCTTCACTCACGGGAAGCCTCAAGAAAGGAAAGATGTCC
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 G

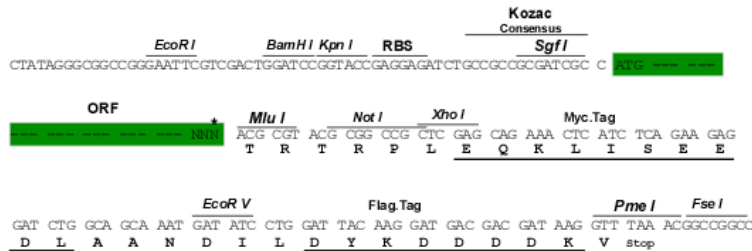
ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9075_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC060719

ORF Size: 4761 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC060719.1](#)

RefSeq Size: 5459 bp

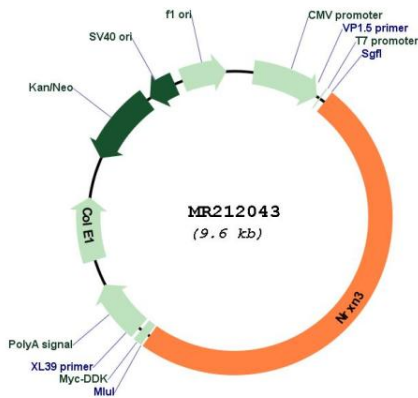
RefSeq ORF: 4763 bp

Locus ID: 18191

Cytogenetics: 12 42.94 cM
MW: 200.1 kDa

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]

Product images:



Circular map for MR212043