

## Product datasheet for MR231843

### Nrxn3 (NM\_001198587) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nrxn3 (NM_001198587) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrxn3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231843 representing NM_001198587 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >MR231843 representing NM\_001198587  
 Red=Cloning site Green=Tags(s)

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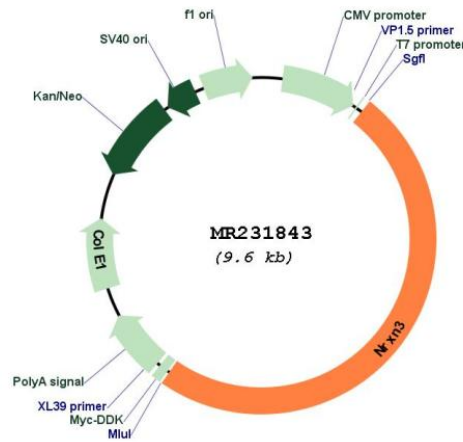
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



Plasmid Map:



**ACCN:** NM\_001198587

**ORF Size:** 4713 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: [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

MW: 173.9 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]