

## Product datasheet for MC202337

### Nrtn (NM\_008738) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nrtn (NM\_008738) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nrtn  
**Synonyms:** NTN  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC057993 sequence for NM\_008738  
 GCTTCGTCGGTGTGCCCCGCGCCCGCGCTCCTCGCGTGGCCCCGCGTCCTGAGCGCGCTCCAGCCTCCC  
 ACGCGCGCCACCCCGGGTTCACTGAGCCCGGCGAGCCCGGGAAGACAGAGAAAGAGAGGCCAGGGGGG  
 GAACCCCATGGCCCGGCCGTGTCCCGCACCTGTGCGGTGGCCTCCTCCGGCACGGGTCCCCGGTCTG  
 CCTCCGGTCCCCGCGATCCGGATGGCGCACGAGTGGCTGGGGCCGGGCCGGGCTCGGGTGGTGGAGGA  
 GTCACCACTGACCGGTCTGAGGCCGTGGCAGGCCAGGATGAGGCGCTGGAAGGCAGCG  
 GCCCTGGTGTGCTCATCTGCAGCTCCCTGCTATCTGTCTGGATGTGCCAGGAGGGTCTGCTCTTGGCC  
 ACCGCCTGGGACCCGCGCTTGCCCCGCTACGACGCCCTCCACGCACCCTGGACGCCCGCATCGCCCGCT  
 GGCCAGTATCGCGCTCTGCTCCAGGGCGCCCCGACGCGGTGGAGCTTCGAGAATTTCTCCCTGGGCT  
 GCCCGCATCCCGGACCCGCGCTCGAGCGGGTCCCCGGCGTCCGGGGCGGGCCGGGGCTCGGCCCTT  
 GTGGGCTGCGCGAGCTCGAGGTGCGCGTGAGCGAGCTGGGCTGGGCTACACGTCGGATGAGACCGTGCT  
 GTTCCGCTACTGCGCAGGCGCGTGCAGGCGGCCATCCGCATCTACGACCTGGGCCTTCGGCGCCTGCGC  
 CAGCGGAGGCGCGTGCGCAGAGAGCGGGCGGGCGCACCCGTGTTGTCGCCCGACGGCCTATGAGGACG  
 AGGTGTCTTCTGGACGTGCACAGCCGCTACCACAGCTGCAAGAGCTGTGGCGCGGGAGTGCAGCGT  
 CGTGTGATGCTACCTCACGCCCCGACCTGCGAAAGGGCCCTCCCTGCCGACCTCGCTGAGAAGTAC  
 TTCACATAAAGTGTGGGAACTCCCAA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_008738

**Insert Size:** 588 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC057993</a></u> , <u><a href="#">AAH57993</a></u>
<b>RefSeq Size:</b>	1064 bp
<b>RefSeq ORF:</b>	588 bp
<b>Locus ID:</b>	18188
<b>UniProt ID:</b>	<u><a href="#">P97463</a></u>
<b>Cytogenetics:</b>	17 29.49 cM
<b>Gene Summary:</b>	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein signals through the RET receptor tyrosine kinase and a GPI-linked coreceptor, and promotes survival of neuronal populations. Homozygous knockout mice for this gene exhibit defects in the development of the retina and enteric nervous system, and reduced cholinergic innervation of the heart and lacrimal glands. [provided by RefSeq, Aug 2016]