

Product datasheet for **RN208030**

Ntn1 (NM_053731) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntn1 (NM_053731) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ntn1
Synonyms:	netrin-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208030 representing NM_053731
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGATGCGCGCTGTGTGGGAGGCGCTGGCGGCGCTGGCGGCGGTGGCGTGCCTGGTGGGCGCGGTGCGCG
 GCGGGCCCGGGCTTAGCATGTTGCGCGGCCAGGCGGCGCAGCCTGATCCTTGCTCGGATGAGAACGGGCA
 CCCACGCCGCTGCATCCCGGACTTTGTCAACGCGGCTTTGCGCAAGGACGTGCGCGTGTCCAGCACCTGC
 GGCCGGCCCCCGGCGCGCTACTGCGTGGTGAAGGAGCGTGGCGAGGAGCGGCTGCGCTCCTGTACCTCT
 GCAACTCTCCGATCCCAAGAAAGCGCATCCGCCCGCCTTCTCACCGACCTCAACAATCCGCACAACCT
 GACGTGCTGGCAGTCTGAGAACTACCTGCAGTTCGCGACAACGTTACGCTCACTCTGTCGCTCGGCAAG
 AAGTTTGAGGTGACCTATGTGAGCCTGCAATTCTGCTCGCCCCGGCCAGAGTCCATGGCCATCTACAAGT
 CCATGGACTACGGGCGCACGTGGGTGCCCTTCCAATTCTATTCCACTCAGTGGCCGAAAAATGTACAACCG
 GCCGCACCGCGCGCCCATCACTAAGCAGAACGAGCAGGAGGCGGTGTGCACCGACTCGCACACCGACATG
 CGCCCGCTCTCCGGCGGGCTGATCGCTTTCAGCACGCTGGACGGGCGGCCCTCGGCGCACGACTTCGACA
 ACTCGCCGGTGTGCAGGACTGGGTACCGCCACAGACATCCGCGTGGCTTTCAGCCGCCTGCACACGTT
 TGGCGACGAGAACGAAGATGACTCGGAGCTGGCTCGCGACTCCTATTACTATGCAGTATCTGACCTGCAG
 GTTGGCGGCCGCTGCAAGTGCAATGGCCACGCGGCGCGTTCGCTGCGCGACCGAGACGACAGTCTGGTGT
 GTGACTGTAGGCACAACACGCGCCGCCCTGAATGCGACCGTTGCAAGCCCTTCCACTACGATCGGCCCTG
 GCAGCGCGCCACGGCTCGCGAGGCCAACGAGTGCCTGGCTGCAACTGCAACCTTCATGCTCGGCGCTGC
 AGATTCACATGGAGCTTACAAGCTATCAGGGCGCAAGAGCGGGGTGTCTGTCTCAACTGCCGCCACA
 ACACTGCCCGCCGCACTGCCACTACTGCAAGGAGGGCTTCTACCGAGACATGGGCAAGCCTATCACCCA
 CCGGAAGGCTTGCAAGCCTGTGATTGCCACCCTGTGGGTGCTGCTGTTAAGACCTGCAATCAAACCACC
 GGCCAGTGTCCCTGCAAGGACGCGGTGACAGGCATCACCTGCAACCGCTGTGCCAAGGCTACCAGCAGA
 GCCGCTCCCCATCGCCCTTGCATTAAGATTCTGTAGCGCCACCCACCACTGCAGCCAGCAGCATGGA
 AGAACCTGAAGACTGTGACTCCTACTGCAAGGCTTCAAAGGAAAATGAAGATGAACATGAAGAAATAC
 TGCAGGAAGGACTATGCTGTCCAGATCCACATTCTGAAGGCGGACAAAGCAGGGGACTGGTGAAGTTCA
 CAGTGAACATCATCTCCGTGTACAAGCAGGGCACAAGTCGTATACGCCGTGGTACCAGAGTTTGTGGAT
 CCGTTCGCGAGACATCGTTGCAAGTGTCCAAAATCAAGCCCTCAAGAAGTACCTGCTGCTGGGCAAT
 GCTGAGGACTCGCTGACCAGAGTGGCATCGTGGCAGACAAGAGCAGCCTGGTATCCAGTGGCGGGACA
 CATGGGCACGACGCTGCGCAAGTTCAGCAGCGGGAGAAGAAGGGCAAGTGAAGAAGGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053731
- Insert Size:** 1815 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).
- 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_053731.2](#), [NP_446183.2](#)

RefSeq Size: 1815 bp

RefSeq ORF: 1815 bp

Locus ID: 114523

Cytogenetics: 10q24

Gene Summary: plays a role in axon guidance during development; may also be involved in cell-cell interactions in the adult nervous system [RGD, Feb 2006]