

Product datasheet for **MR209100**

Ntn3 (NM_010947) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntn3 (NM_010947) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ntn3
Synonyms:	Ntn2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209100 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACCTGGCTCTGGGGCTGCTGCTGACCGCGGCACGCTCTCCGTCGACTGAGCCAGGGCTGC
 CGGCTCTGCCGACCCCTGCTATGATGAGGCGAGGGAGCCTCGCTCTTGATTCCCTGGCCTTGTAACGC
 TGCTCTGGGCCGAGAGGTGCTGGCGTCCAGCACGTGCGGGAGGTGCGCCAATCGCGTCTGCGATTCTCG
 GACCCGACGCGGGCACACTCTGCAGACCTCTGACCTCTGCTCCGGGCACTGCAAGTCTCTCTGTTGGC
 GCTCCGATTTGCTGCAACAGGCACCTTTCAACGTAACCCTCACAGTGCCCTGGGGAAGGCTTTGAGCT
 GGTCTTCGTGAGCCTGCGCTTCTGCTCAGCTCCTCAACCTCCGTGGCCCTGCTTAAGTCGAGGACCAT
 GGCCGACGCTGGTCCCCTTGGGCTTCTCTCTCCAGCTGTACCCTGGACTATGGCCGCTGCCTGCTC
 CTGCTGATGGCCCTTCTGGTCCAGGGCCAGAAGCCCTCTGCTTCCAGCCCCCAGGCTCAGCCTGATGG
 TGGAGGCTTCTGGCCTCAGTGTGAGGATGGCAGCCACAGGGCCTGGATCTGGACAACAGCCCCGTG
 CTCAAGACTGGGTGACTGCCACAGATATTCGCATAGTACTCACAAAGCCCTGCCATTGAGGGAGACACCA
 GGGACGGTGGGGTGACAGTCCCCTACTCTACTCAGCCACTGAGCTTCAGGTGGGAGGTCGATGCAAGTG
 CAATGGGCATGCCTCACGGTGTCTGTTGGACACCCATGGCCACCTGGTCTGCGACTGCCAGCATGGTACA
 GAGGGCCCTGATTGCAGCCGCTGCAAGCCCTTCTACTGCGACAGGCCATGGCAGCGGGCTACAGGGCAGG
 AAGCCACGCTTGCTTGGCTTCTGCTCCTGCAACGGCCATGCGCGAAGATGCCGCTTCAACATGGAGCTTA
 CCGACTGTCCGGCCGCCAGTGGGGCGTGTGCCTCACTGCCGCGACAATACAGCTGGTGCCTACTGCG
 CACTACTGCCGGGAGGGCTTCTATCGTGATCCAGGCCGTCTCTGAGTACCCTGCTGCTGCAGAGCTT
 GTGACTGCCACCCAGTTGGTGTCTGCTGCAAAACCTGTAACCAGACCACAGGCCAGTGTCCCTGTAAGGA
 TGGTGTACTGGCCTCACCTGTAACCGCTGTGCCCCAGGTTTCCAGCAGAGCCGTTCTCCTGTGGCACCT
 TGCCTTAAGACTCCTGTCCCTGGACCCACCGAAGAAAGCAGTCCCTGTGGAGCCACAGGACTGTGAGTCAC
 ATTGCAGACTGCGCGTGGCAGTTACCGAATCAGCCTGAAGAAGTTCTGCCGGAAGGACTATGCGGTGCA
 GGTGGCAGTGGGTGCACGCGGTGAGGCCCGCGGCTCGTGGACACGCTTCCGGTAGCGGTGCTTGTGTG
 TTCCGACGCGGAGGAACGCGCTCGACGCGGGAGCAGCGCGCTGTGGTACCAACTCTAGACGCGGCT
 GCGGTTGCCCGCCTCTGCCCGCGCGGTTACTTGTGCTGGGAGGTGGCCGGGGGCTGCAGCTGG
 GAGCACAGCGGGCCGGGACAGGGGCTCAGTGTGCCCGTGAAGCCTCGTGTGCTTGGAGAGACGCC
 TGGACCCGCGCCTGCGGAGGCTGCAGAGGAGAGCGCGGGGGCGCTGCGGGACCGCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209100 protein sequence
 Red=Cloning site Green=Tags(s)

MPTWLWLLLLTAGTLSAALSPGLPASADPCYDEAREPRSCIPGLVNAALGREVLASSTCGRSANRVCDSS
 DPQRAHSADLLTSAPGTASPLCWRSDLLQQAPFNVTLVPLGKAFELVFVSLRFCSAPPTSVALKSDH
 GRSWVPLGFFSSSCTLDYGRLPAPADGPSGPGPEALCFPAPQAQPDGGLLAFSVQDGSPPQLDLDNSPV
 LQDWVATDIRIVLTRPAIQGDRDGGVTPYYSATELQVGRCKCNGHASRCLLDTHGHLVDCQHGHT
 EGPDCSRCKPFYCDRPWQRATGQEAHAACLACSCNGHARRCRFNMELYRLSGRRSGGVCLNCRHNTAGRHC
 HYCREGFYRDPGRVLSDRRACRACDCHPVGAAGKTCNQTTGQCCKDGVTLTCNRCAPGFQQRSPVAP
 CVKTPVPGPTEESSPVEPQDCESHCRPARGSYRISLKKFCRKDYAVQVAVGARGEARGSWTRFPVAVLAV
 FRSGEERARRGSSALWVPTLDAACGCPRLLPGRRYLLGGPGAAAGSTAGRQGLSAARGSLVLPWRDA
 WTRRLRRLQRERRRRCGTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010947

ORF Size: 1743 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_010947.3](#), [NP_035077.1](#)

RefSeq Size: 4912 bp

RefSeq ORF: 1743 bp

Locus ID: 18209

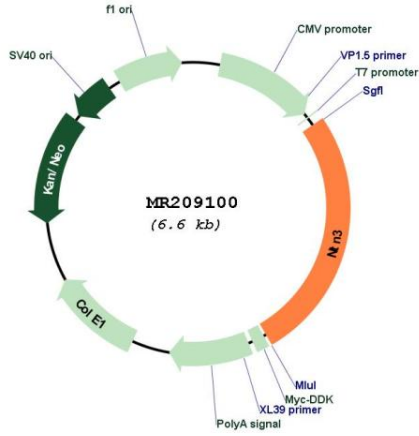
UniProt ID: [Q9R1A3](#)

Cytogenetics: 17 A3.3

MW: 62 kDa

Gene Summary: Netrins control guidance of CNS commissural axons and peripheral motor axons. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209100