

Product datasheet for **MC216693**

Ntng1 (NM_001163350) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntng1 (NM_001163350) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ntng1
Synonyms:	A930010C08Rik; AI853992; Lmnt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216693 representing NM_001163350
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATTTTGTCAAGATTCCTGTGTCATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC
 TTTTCGTGTGGGACATTATGATGTATGTAAGAGCCTGATTTACACAGAAGAAGGCAAAGTTGGGATTA
 CACAGCCTGCCAGCCGGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCTCCGGATATT
 ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG
 CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGAAGGAAGACATCCCTCCACATT
 TTGGCAGTCTGCTACTTGAAGGAGTACCCAAACCTCTCCAGTTAACATCACTCTGTCTGGAGCAAA
 ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGCGTCCAGACCAAATGATCCTAGAGA
 AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA
 CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGGAAATCATTTCGACGGAAGAGTAC
 TCCACTGGGTACTCCACGAATAGCAAAATATCCACTTCGAGATCAAAGACAGGTTTGCCTTTTCGCTG
 GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAAACTCAGAGATTTCTT
 CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCGCCGTTGGGGAATATTTGTAGATGAACTACAT
 TTGGCAGGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA
 CTTTCGTGTTTGTATGACAACAGCAAACCTGACATGTGAATGTGAGCACAACACTACAGGTCCCAGCTGTGG
 GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGGCTCATACCTCCCCATCCCCAAAGGCACC
 GCAAACACCTGTATCCCCAGCATTTCAGTATCGGTACTCCTCCAAGTTAATAGGATATGGCCGAATA
 TTTCTTCCCTTGAGGTTTCTAACCCAAAACAAGTTGCTCCAAATTAGCTTTGTCAACAGTTTCTCTGT
 TCAAGTTGCAAAACCAAGCGAGCTAATGTCTGGGACAATGAGCTCCTGCACTGCCAGAATGGAGGGACC
 TGCCAGAACAATGTGCGCTGCGGTGCCAGACGCTACACCGGCATCCTCTGTGAGAAGCTACGGTGGC
 AAGAGGGGGCAGCTGTGGCTCCGAATCCGGCCAGGGAGCACCCCGCGGGGCTCCCAGCACTGCTGCT
 GCTGACCATGCTGCTGGGACTGCCGTTCCCTGGTGTCTAG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001163350

Insert Size: 1443 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_001163350.1](#), [NP_001156822.1](#)

RefSeq Size: 5170 bp

RefSeq ORF: 1443 bp

Locus ID: 80883

UniProt ID: [Q8R4G0](#)

Cytogenetics: 3 F3

Gene Summary: Involved in controlling patterning and neuronal circuit formation at the laminar, cellular, subcellular and synaptic levels. Promotes neurite outgrowth of both axons and dendrites. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (d) lacks two alternate in-frame exons and contains two other alternate in-frame exons compared to variant a. The resulting isoform (d) has the same N- and C-termini but is shorter compared to isoform a.