

## Product datasheet for **MC216694**

### **Ntng1 (NM\_001163348) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ntng1 (NM_001163348) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ntng1
Synonyms:	A930010C08Rik; AI853992; Lmnt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216694 representing NM\_001163348  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATTTTGTCAAGATTCCTGTGTCGATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC  
 TTTTCGTGTGGGACATTATGATGTATGTAAAGCCTGATTTACACAGAAGAAGGCAAAGTTGGGATTA  
 CACAGCCTGCCAGCCGGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCTCCGGATATT  
 ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG  
 CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGAAGGAAGACATCCCTCCACATT  
 TTGGCAGTCTGCTACTTGAAGGAGTACCCAAACCTCTCCAGTTAACATCACTCTGTCTTGGAGCAAA  
 ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGCGTCCAGACCAAATGATCCTAGAGA  
 AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA  
 CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGGAAATCATTTCGACGGAAGAGTAC  
 TCCACTGGTACTCCACGAATAGCAAAATATCCACTTCGAGATCAAAGACAGGTTTGCCTTTTCGCTG  
 GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAAACTCAGAGATTTCTT  
 CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCGCCGTTGGGGAAATATTTGTAGATGAACTACAT  
 TTGGCAGGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA  
 CTTTCGTGTTTGTATGACAACAGCAAACCTGACATGTGAATGTGAGCACAACACTACAGGTCCCAGCTGTGG  
 GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGGCTCATACCTCCCCATCCCCAAAGGCACC  
 GCAAACACCTGTATCCCCAGCATTTCAGTATCGGTAAGTGTATTGTAACCCCTTTGGGCTCAATCCATG  
 ATCGTTGTAATGGCTCAGGATTTTGTGAGTGAAGACTGGAACAACAGGGCCTAAATGTGATGAGTGTCT  
 GCCAGGAAATTCCTGGTACTACGGCTGTCAACCTAATGTCTGCGACAATGAGCTCCTGCACTGCCAGAAT  
 GGAGGGACCTGCCAGAACAATGTGCGCTGCGCGTGCACAGCCTACACCGGCATCCTCTGTGAGAAGC  
 TACGGTGCAGAGGGCGGGCAGCTGTGGCTCCGAATCCGGCCAGGGAGCACCCCCGCGGGCTCCCCAGC  
 ACTGCTGCTGCTGACCATGCTGCTGGGGACTGCCGGTCCCTGGTGTCTAG

**ACGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001163348
- Insert Size:** 1452 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\_001163348.1, NP\_001156820.1

RefSeq Size: 5179 bp

RefSeq ORF: 1452 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 (b) lacks an alternate in-frame exon compared to variant a. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.