

## Product datasheet for **MG216426**

### **Ntng1 (NM\_001163348) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ntng1 (NM_001163348) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ntng1
Synonyms:	A930010C08Rik; AI853992; Lmnt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG216426 representing NM\_001163348  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATTTTGTCAAGATTCCTGTGTCGATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC  
 TTTTCGTGTGGGACATTATGATGATGTAAAGAGCCTGATTTACACAGAAGAAGCAAAAGTTGGGATTA  
 CACAGCCTGCCAGCCGGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCTCCGGATATT  
 ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG  
 CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGAAGGAAGACATCCCTCCACATT  
 TTGGCAGTCTGCTACTTGAAGGAGTACCCAAACCTCTCCAGTTAACATCACTCTGTCTTGGAGCAAA  
 ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGCGTCCAGACCAATGATCCTAGAGA  
 AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA  
 CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGGAAATCATTTCGACGGAAGAGTAC  
 TCCACTGGGTACTCCACGAATAGCAAAATATCCACTTCGAGATCAAAGACAGGTTTGCCTTTTCGCTG  
 GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAAACTCAGAGATTTCTT  
 CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCGCCGTTGGGGAAATATTTGTAGATGAACTACAT  
 TTGGCAGGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA  
 CTTTCGTGTTTGTATGACAACAGCAAACTGACATGTGAATGTGAGCACAACACTACAGGTCCCAGCTGTGG  
 GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGGCTCATACCTCCCCATCCCCAAAGGCACC  
 GCAACACCTGTATCCCCAGCATTTCAGTATCGGTAAGTGTATTGTAACCCCTTGGGCTCAATCCATG  
 ATCGTTGTAATGGCTCAGGATTTTGTGAGTGAAGACTGGAACAACAGGGCCTAAATGTGATGAGTGTCT  
 GCCAGGAAATTCCTGGTACTACGGCTGTCAACCTAATGTCTGCGACAATGAGCTCCTGCACTGCCAGAAT  
 GGAGGGACCTGCCAGAACAATGTGCGCTGCGCGTGCACAGCCCTACACCGGCATCCTCTGTGAGAAGC  
 TACGGTGCAGAGGGCGGGCAGCTGTGGCTCCGAATCCGGCCAGGGAGCACCCCCGCGGGCTCCCCAGC  
 ACTGCTGCTGCTGACCATGCTGCTGGGGACTGCCGGTCCCTGGTGTTC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG216426 representing NM\_001163348  
 Red=Cloning site Green=Tags(s)

MYLSRFLSIHALWVTVSSVMQPYLFVWGHYDVCKSLIYTEEGKVWDYTACQPESTDMTKYLKVKLDPPDI  
 TCGDPPESFCAMGNPYMCNNECDASTPELAHPPELMFDFEGRHPSTFWQSATWKEYPKPLQVNITLSWSK  
 TIELTDNIVITFESGRPDQMILEKSLDYGRWQPYQYYATDCLHAFHMDPKSVKDLSQHTVLEIICTEY  
 STGYSTNSKIIHFEIKDRFAFFAGPRLRNMASLYGQLDITKLRDFFTVTLRIRLLRPVAVGEIFVDELH  
 LARYFYAISDIKVRGRCKNLHATSCLYDNSKLTCEEHNTTGPDCGKCKKNYQGRPWSPGYPKIPKGT  
 ANTCIPSISSIGKCYCNPLGSIHDCNNGSGFCECKTGTTPKCDDECLPGNSWYYGCQPNVCDNELLHCQN  
 GGTQNNVRCACPDAYTGILCEKLRCEEAGSCGSESGQAPPGRGSPALLLLTMLLGTAGPLVF

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001163348

**ORF Size:** 1449 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\\_001163348.1](#), [NP\\_001156820.1](#)

**RefSeq Size:** 5179 bp

**RefSeq ORF:** 1452 bp

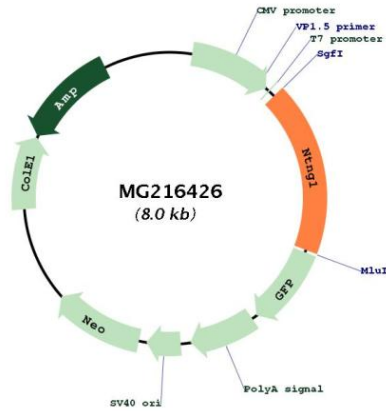
**Locus ID:** 80883

**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]

**Product images:**



Circular map for MG216426