

## Product datasheet for **MG216446**

### Ntng1 (NM\_001163351) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ntng1 (NM\_001163351) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ntng1  
**Synonyms:** A930010C08Rik; AI853992; Lmmt1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216446 representing NM\_001163351  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTATTTGTCAAGATTCCTGTCGATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC  
TTTTCGTGTGGGACATTATGATGTATGTAAGAGCCTGATTTACACAGAAGAAGGCAAAGTTGGGATTA  
CACAGCCTGCCAGCCGGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCGGATATT  
ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG  
CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGAAGGAAGACATCCCTCCACATT  
TTGGCAGTCTGCTACTTGAAGGAGTACCCCAAACCTCTCCAGGTTAACATCACTCTGTCTGGAGCAAA  
ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGGCGTCCAGACCAAATGATCCTAGAGA  
AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA  
CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGAAATCATTGGCACGGAAGAGTAC  
TCCACTGGGTACTCCACGAATAGCAAAATAATCCACTTCGAGATCAAAGACAGGTTTGCCTTTTCGCTG  
GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAACTCAGAGATTTCTT  
CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCCGCTTGGGAAATATTTGTAGATGAACTACAT  
TTGGCAGTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA  
CTTCGTGTTGTATGACAACAGCAAAGTACATGTGAATGTGAGCACAACACTACAGTCCCGACTGTGG  
GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGCTCATACCTCCCATCCCAAAGGCACC  
GCAAAACCTGTATCCCCAGCATTTCAGTATCGGTAGTAAG

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216446 representing NM\_001163351  
 Red=Cloning site Green=Tags(s)

MYLSRFLSIHALWVTVSSVMQPYLFWVGHYDVCKSLIYTEEGKVWDYTACQPESTDMTKYLKVKLDPPDI  
 TCGDPPESFCAMGNPYMCNNECDASTPELAHPPELMFDFEGRHPSTFWQSATWKEYPKPLQVINITLSWSK  
 TIELTDNIVITFESGRPDQMILEKSLDYGRWQPYQYYATDCLHAFHMDPKSVKDL SQHTVLEIICTEY  
 STGYSTNSKIIHFEIKDRFAFFAGPRLRNMASLYGQLDTTKKLRDFFTVTDLRIRLLRPVGEIFVDELH  
 LARYFYAISDIKVRGRCKNLHATSCLYDNSKLTCEEHNTTGPDCGKCKKNYQGRPWSPGSLYLPKGT  
 ANTCIPSISSIGSK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001163351

**ORF Size:** 1092 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\\_001163351.1](#), [NP\\_001156823.1](#)

**RefSeq Size:** 2190 bp

**RefSeq ORF:** 1095 bp

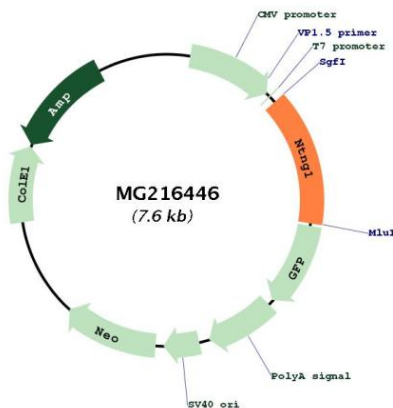
**Locus ID:** 80883

**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 MG216446