

Product datasheet for **MG216415**

Ntng1 (NM_030699) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntng1 (NM_030699) 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)



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ORF Nucleotide Sequence:

>MG216415 representing NM_030699
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTTGTCAAGATTCCTGTGTCGATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC
 TTTTCGTGTGGGACATTATGATGATGTAAAGAGCCTGATTTACACAGAAGAAGGCAAAGTTTGGGATTA
 CACAGCCTGCCAGCCGGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCTCCGGATATT
 ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG
 CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGAATTTTGAAGGAAGACATCCCTCCACATT
 TTGGCAGTCTGCTACTTGAAGGAGTACCCAAACCTCTCCAGTTAACATCACTCTGTCTTGGAGCAAA
 ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGCGTCCAGACCAAATGATCCTAGAGA
 AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA
 CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGGAAATCATTTCGACGGAAGAGTAC
 TCCACTGGGTACTCCACGAATAGCAAAATATCCACTTCGAGATCAAAGACAGGTTTGCCTTTTCGCTG
 GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAAACTCAGAGATTTCTT
 CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCGCCGTTGGGGAAATATTTGTAGATGAACTACAT
 TTGGCAGGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA
 CTTTCGTGTTTGTATGACAACAGCAAACCTGACATGTGAATGTGAGCACAACACTACAGGTCCCAGCTGTGG
 GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGGCTCATACCTCCCCATCCCCAAAGGCACC
 GCAAACACCTGTATCCCCAGCATTTCAGTATCGGTAACGTGTAATGCTTCGGCCACTCCAATCGGTGCA
 GTTATATCGATCTGCTAAACACAGTCAATTCGCTGAGCTGTAACACACAACACTAGAGGGCAGCAGTGTGA
 GTTATGACAGGCTGGGCTACTTCAGAAATGCTTCTGCACAGCTGGACGATGAGAATGTGTGCATAGAGTGT
 TATTGTAACCCTTTGGGCTCAATCCATGATCGTTGTAATGGCTCAGGATTTTGTGAGTGTAAAGACTGGAA
 CAACAGGGCCTAAATGTGATGAGTGTCTGCCAGGAAATCCTGGTACTACGGCTGTCAACCTAATGTCTG
 CGACAATGAGCTCCTGCACTGCCAGAATGGAGGGACCTGCCAGAACAATGTGCGCTGCGCGTGCCAGAC
 GCCTACACCGGCATCCTCTGTGAGAAGCTACGGTGCAGAGAGGGCGGCAGCTGTGGCTCCGAATCCGGCC
 AGGGAGCACCCCCGCGGGCTCCCCAGCACTGCTGCTGCTGACCATGCTGCTGGGACTGCCGTTCCCT
 GGTGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216415 representing NM_030699
 Red=Cloning site Green=Tags(s)

MYLSRFLSIHALWVTVSSVMQPYLFWGHYDVCKSLIYTEEGKVWDYACQPESTDMTKYLKVKLDPPDI
 TCGDPPESFCAMGNPYMCNNECDASTPELAHPPELMDFEGRHPSTFWQSATWKEYPKPLQVNITLSWSK
 TIELTDNIVITFESGRPDQMIKESLDYGRWQPYQYYATDCLHAFHMDPKSVKDL SQHTVLEI ICTEEY
 STGYSTNSKIIHFEIKDRFAFFAGPRLRNMASLYQLDITKKLRDFFVTDLRIRLLRPVAGEIFVDELH
 LARYFYAISDIKVRGRCKNLHATSCLYDNSKLTCEEHNTTGPDCGKCKKNYQGRPWSGSLYIPKGT
 ANTCIPSISSIGNCECFGHSNRCSYIDLLNTVICVSKHNTRGQHCELCRLGYFRNASQLDDENVCIEC
 YCNPLGSIHDCNNGSGFCECKTGTTPKCDCLPNSWYGCQPNVCDNELLHCQNGGTQNNVRCACPD
 AYTGILCEKLRCEEAGSCGSESGQGAPPRGSPALLLLTMLLGTAGPLVF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_030699

ORF Size: 1617 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_030699.2](#), [NP_109624.1](#)

RefSeq Size: 5347 bp

RefSeq ORF: 1620 bp

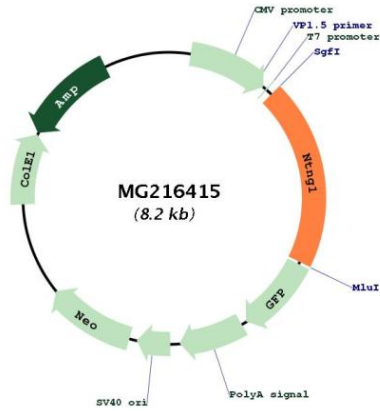
Locus ID: 80883

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 MG216415