

Product datasheet for **MR206979**

Ntng1 (NM_001163349) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntng1 (NM_001163349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR206979 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGATATTTGTCAAGATTCCTGTGTCGATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC
 TTTTCGTGTGGGACATTATGATGATGTAAAGAGCCTGATTTACACAGAAGAAGGCAAAGTTGGGATTA
 CACAGCCTGCCAGCCGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCGGATATT
 ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG
 CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGAATTTGAAGGAAGACATCCCTCCACATT
 TTGGCAGTCTGCTACTTGAAGGAGTACCCAAACCTCTCCAGGTTAACATCACTCTGTCTTGGAGCAAA
 ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGCGTCCAGACCAAATGATCCTAGAGA
 AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA
 CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGGAAATCATTTCGACGGAAGAGTAC
 TCCACTGGGTACTCCACGAATAGCAAAATAATCCACTTCGAGATCAAAGCAGGTTTGCCTTTTCGCTG
 GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATACAACCAAGAAACTCAGAGATTTCTT
 CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCGCCGTTGGGAAATATTTGTAGATGAACTACAT
 TTGGCAGGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAAGTGAACCTGCATGCCA
 CTTGCGTTTTGTATGACAACAGCAAACCTGACATGTGAATGTGAGCACAACACTACAGGTCCCAGCTGTGG
 GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGGCTCATACCTCCCCATCCCCAAAGGCACC
 GCAAACACCTGTATCCCCAGCATTTCAGTATCGGTACTAATGTCTGCGACAATGAGCTCCTGCAGTCC
 AGAATGGAGGGACCTGCCAGAACAATGTGCGCTGCGCGTGCCAGACGCTACACCCGGCATCCTCTGTGA
 GAAGCTACGGTGGGAAGAGGCGGGCAGCTGTGGCTCCGAATCCGGCCAGGAGACACCCCGGGGCTCC
 CCAGCACTGCTGCTGACTGACCATGCTGCTGGGACTGCCGGTCCCCTGGTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206979 protein sequence
 Red=Cloning site Green=Tags(s)

MYLSRFLSIHALWVTSSVMQPYLFVWGHYDVCKSLIYTEEGKVWDYTACQPESTDMTKYLKVKLDPPDI
 TCGDPPEFSCAMGNPYMCNNECDASTPELAHPPELMDFEGRHPSTFWQSATWKEYPKPLQVNITLSWSK
 TIELTDNIVITFESGRPDQMILEKSLDYGRWQPYQYYATDCLHAFHMDPKSVKDL SQHTVLEIICTEY
 STGYSTNSKIIHFEEKDRFAFFAGPRLRNMASLYGQLDTTKKLRDFFTVDLRIRLLRPVGEIFVDELH
 LARYFYAISDIKVRGRCKNLHATSCLYDNSKLTCEEHNTTGPDCGKCKKNYQGRPWSPGSYLP
 ANTCIPSISSIGTNVCDNELLHCQNGGTCQNNVRCACPDAYTGILCEKLRCEEAGSCGSESGGAPPRGS
 PALLLLTMLLGTAGPLVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001163349

ORF Size: 1317 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_001163349.1](#), [NP_001156821.1](#)

RefSeq Size: 5044 bp

RefSeq ORF: 1317 bp

Locus ID: 80883

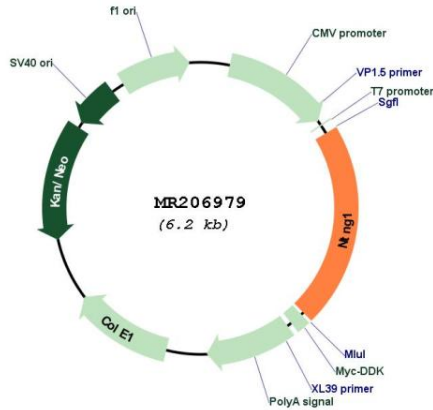
UniProt ID: [Q8R4G0](#)

Cytogenetics: 3 F3

MW: 49.3 kDa

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 MR206979