

Product datasheet for **MG206979**

Ntng1 (BC079881) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntng1 (BC079881) 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:	>MG206979 representing BC079881 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTTGTCAAGATTCCTGTCGATCCATGCCCTGTGGGTGACAGTGTCTCTGTGATGCAGCCCTACC
TTTTCGTGTGGGACATTATGATGTATGAAGAGCCTGATTTACACAGAAGAAGGCAAAGTTGGGATTA
CACAGCCTGCCAGCCGAATCCACGGACATGACCAAGTATCTGAAAGTAAAAGTGGACCCCGGATATT
ACCTGTGGAGACCCTCCAGAGTCTTCTGTGCAATGGGCAACCCTTACATGTGCAATAATGAGTGTGATG
CGAGTACCCTGAACTGGCACACCCTCCTGAGCTGATGTTTGTATTTGAAGGAAGACATCCCTCCACATT
TTGGCAGTCTGCTACTTGAAGGAGTACCCCAAACCTCTCCAGGTTAACATCACTCTGTCTGGAGCAAA
ACCATTGAACTCACAGACAACATAGTTATTACCTTTGAATCGGGGCGTCCAGACCAAATGATCCTAGAGA
AATCTCTCGACTACGGACGAACATGGCAGCCCTATCAGTATTATGCCACAGACTGCCTCCATGCATTCCA
CATGGACCCGAAATCCGTGAAGGATTTATCTCAGCACACGGTCTTGAAATCATTTCACGGGAAGAGTAC
TCCACTGGGTACTCCACGAATAGCAAAATAATCCACTTCGAGATCAAAGACAGGTTTGCCTTTTCGCTG
GACCTCGGCTACGAAATATGGCTTCCCTCTATGGACAGCTGGATAACAACCAAGAACTCAGAGATTTCTT
CACTGTACAGACCTGAGGATCAGGCTGTTGAGACCCCGCTTGGGAAATATTTGTAGATGAACTACAT
TTGGCAGTTACTTTTATGCGATCTCAGACATAAAGGTGCGAGGAAGGTGCAACCTGCATGCCA
CTTCGTGTTGTATGACAACAGCAAACTGACATGTGAATGTGAGCACAACACTACAGTCCCGACTGTGG
GAAATGCAAGAAGAACTACCAGGGCCGACCTTGGAGCCCCGCTCATACCTCCCCATCCCCAAAGGCACC
GCAAAACCTGTATCCCCAGCATTTCAGTATCGGTAATAATGTCTGCGACAATGAGCTCCTGCACTGCC
AGAATGGAGGGACCTGCCAGAACAATGTGCGCTGCGCGTGCCAGACGCCTACACCGGCATCCTCTGTGA
GAAGCTACGGTGCAGAGAGGGCGGCAGCTGTGGCTCCGAATCCGGCCAGGGAGCACCCCCGGGGCTCC
CCAGCACTGCTGCTGCTGACCATGCTGCTGGGACTGCCGGTCCCTGGTGTTC

ACGGTACGGCGGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206979 representing BC079881
 Red=Cloning site Green=Tags(s)

MYLSRFLSIHALWVTVSSVMQPYLFVWGHYDVCKSLIYTEEGKVWDYTACQPESTDMTKYLKVKLDPPDI
 TCGDPPESFCAMGNPYMCNNECDASTPELAHPPELMFDFEGRHPSTFWQSATWKEYPKPLQVNITLSWSK
 TIELTDNIVITFESGRPDQMILEKSLDYGRTWQPYQYYATDCLHAFHMDPKSVKDL SQHTVLEIICTEEY
 STGYSTNSKIIHFEEKDRFAFFAGPRLRNMASLYGQLDTTKKLRDFFTVTDLRIRLLRPVAGEIFVDELH
 LARYFYAISDIKVRGRCKNLHATSCLYDNSKLTCEHNNTGPDGCKCKKNYQGRPWSPGSYLPKPGT
 ANTCIPSISSIGTNVCDNELLHCQNGGTCQNNVRCACPDAYTGILCEKLRCEEAGSCGSESGQGAPPRGS
 PALLLLTMLLGTAGPLVF

TRTRPLE - GFP Tag - V

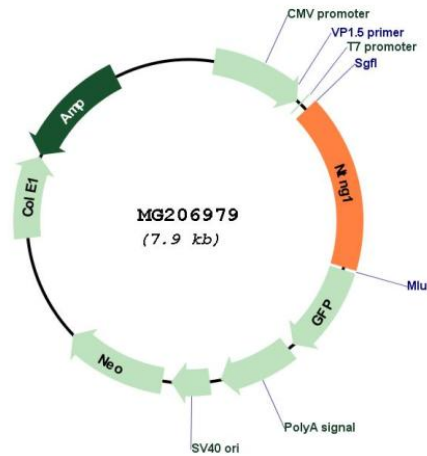
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC079881

ORF Size:	1316 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:	<ol style="list-style-type: none">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:	BC079881 , AAH79881
RefSeq Size:	3969 bp
RefSeq ORF:	1316 bp
Locus ID:	80883
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]