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Product datasheet for MC219451

Ntng2 (NM_133501) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ntng2 (NM_133501) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ntng2
Synonyms:	2610016D08Rik; Lmn; Lmnt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC219451 representing NM_133501
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCGCCTGCTGGCTCTCTTCCTGCACTGCCTCCCGCTGGTCTCTGGGGACTATGACATCTGCAAAT
CCTGGGTGACCACAGATGAGGGCCCCACCTGGGAATTCTATGCCTGCCAGCCCAAGGTGATGCGCCTGAA
GGATTATGTCAAGGTCAAAGTGGAGCCCTCAGGCATCACGTGCGGAGACCCCCCTGAAAGGTTCTGTTCC
CATGAGAACCCCTACCTGTGCAGTAATGAGTGTGATGCCTCCAATCCCGACCTGGCCCACCCGCCCCGGC
TTATGTTTGACAGGGAAGATGAGGGACTGGCTACCTACTGGCAAAGCGTCACGTGGAGTCGCTACCCCAG
TCCACTAGAGGCCAACATCACCCTCTCATGGAACAAGAGCGTGGAGTTGACAGACGACGTGGTGGTGACT
TTTGAGTATGGCCGGCCCACGGTCATGGTCCTCGAGAAGTCCCTGGACAATGGCCGCACCTGGCAGCCCT
ACCAGTTCTATGCAGAGGACTGCATGGAGGCCTTCGGCATGTCTGCCCGACGTGCCCGAGACATGTCACC
CTCCAGCGCCCACCGGGTGCTCTGCACCGAGGAGTACTCACGCTGGGCAGGGTCCAAGAAAGAGAAGCAT
GTGCGCTTTGAGGTAAGGGACCGCTTTGCCATCTTTGCCGGCCCTGACCTGCGTAACATGGACAACCTGT
ACACGAGGATGGAGAGCGCCAAGGGCCTCAAGGAGTTCTTCACCTTCACTGACCTGCGCATGCGCCTGCT
GCGTCCTGCGCTGGGTGGCACCTACGTGCAGCGAGAGAACCTCTACAAGTACTTCTATGCCATCTCCAAT
ATCGAAGTCATTGGCAGGTGTAAGTGCAACCTGCATGCCAACCTGTGCACAGTGCGAGAGGGCAGCCTGC
AGTGTGAGTGTGAACACAACACCACGGGCCCCGACTGTGGCAGGTGCAAGAAGAACTTCCGCACACGCGC
CTGGCGAGCTGGCTCCTACCTGCCGCTGCCCCACGGCTCTCCCAATGCCTGTGCGGCCGCGGGCTCCGCC
TTTGGCAGTCAGACCAAGCCACCTACTATGGCCCCCCTTGGGGACAGCTCCTTCTGGCCCCAGGTGTCCT
CCAGTGCAGAAGCTGTAGCTATCTCTGTCGCTGTCCCTTCCCAAGCCAAGGACTCTACGCTTTTCGAGCT
CAAGCCCAGATCTCCTCAGGTGATACCCATTGAAGAATTTCAAGACTGCGAGTGCTACGGCCACTCCAAC
CGTTGCAGCTACATTGACTTCCTGAACGTGGTGACCTGCGTCAGCTGTAAACACAACACTCGAGGCCAAC
ACTGTCAGCACTGCCGCCTGGGCTACTATCGCAATGGCTCCGCAGAGCTGGATGATGAGAACGTCTGCAT
TGAATGTAACTGTAACCAGATCGGCTCTGTGCACGATCGATGCAATGAGACAGGCTTCTGCGAGTGCAGG
GAGGGCGCAGTGGGGCCCAAGTGCGACGACTGCCTTCCTACACACTACTGGCGCCAAGGATGCTATCCCA
ATGTGTGCGACGATGACCAGCTGCTCTGCCAGAATGGCGGCACCTGCCAGCAGAACCAACGCTGCGCCTG
CCCGCCCGGCTACACCGGCATTCGCTGTGAGCAGCCCCGCTGTGACCTCGCCGACGACGCTGGCCCGGAC
TGTGACCGCGCGCCAGGCATCGTCCCGCGCCCCGACACCCTGCTCGGATGCCTGCTGCTGCTCGGGCTGG
CCGCCCGTCTGGCCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133501

Insert Size: 1770 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_133501.2, NP_598008.1
RefSeq Size:	1924 bp
RefSeq ORF:	1770 bp
Locus ID:	171171
UniProt ID:	Q8R4F1
Cytogenetics:	2 19.57 cM
Gene Summary:	The protein encoded by this gene belongs to a subclass of the netrin family called netrin-G proteins. Unlike classic netrins, which act as diffusible chemoattractants, netrin-Gs are glycosylphosphatidylinositol-anchored membrane proteins that interact with specific transmembrane proteins. In mouse, this gene is preferentially expressed in the cerebral cortex, habenular nucleus and superior colliculus. Knockout mutant mice display a lack of behavioral startle in response to acoustic stimuli. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015] Transcript Variant: This variant (b) represents the longest transcript and encodes the longest isoform (b).