

Product datasheet for MR205006

Neurod6 (NM_009717) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurod6 (NM_009717) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neurod6
Synonyms:	Atoh2; bHLHa2; Math-2; Math2; Nex; Nex1m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205006 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTTAACTACCGTTTGACGAGTCTGTCGTAATGCCGAATCCAGATGTGCAGAAAGTTTGCTAGAC
AATGTGAGGACCAGAAACAAATTAAGAAACCAGAGAGCTTCCAAAACAAGTTGCTCCTTCGAGGAAAGAG
CATTAAAAGGGCCCTGGAGAAGAAACCGAGAAAGAAGAGGAGGAAGAAGACAGAGAGGAAGAAGATGAG
AATGGCTTGTCCAGAAGGAGGGGCTCAGGAAAAAAGACCACCAAACACTGACTGAAAGGGTCAAGT
TCAGGAGACAGGAAGCTAATGCGCGCAGAGGAACCGGATGCACGGCCTCAATGATGCTCTGGACAATTT
GCGAAAAGTGGTCCCCTGTTACTCTAAAACCCAAAACTGTCCAAAATAGAACTTTACGACTGGCCAAA
AATTACATCTGGGCACTTCTGAAATCTGAGGATTGGCAAGAGACCGGATCTGCTCACGTTCTGTCAAA
ACTTATGCAAAGGTCTTCCAGCCAACACAACTTGGTGGCAGGCTGCTTACAGCTCAACGCCAGAAG
TTTCTGATGGGTGAGGTGGGGAGGCTGCCACCACACAAGGTCACTACTCCACATTCTACCCACCC
TACCACAGCCCTGAGCTGGCCACTCCCCAGGGCATGGGACTCTTGATAATCCAAGTCCATGAAACCT
ACAATTACTGCAGTGCATATGAATCCTTCTATGAAAGTACCTCCCTGAGTGTGCCAGCCCTCAGTTTGA
AGGTCCCTTAAGTCCTCCCCAATTAACATAATGGGATATTTCCCTGAAGCAAGAAGAAACCTTGGAC
TATGGCAAAAATTACAATTATGGCATGCATTACTGTGCAGTGCCACCCAGGGGTCCCCTTGGCAGGGTG
CCATGTTCAAGTTGCCACCACAGCCACTTCCCTTACGACTTACATCTGCGCAGCCAATCTCTCACTAT
GCAAGATGAATTAATGCAGTTTTTCATAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205006 protein sequence
 Red=Cloning site Green=Tags(s)

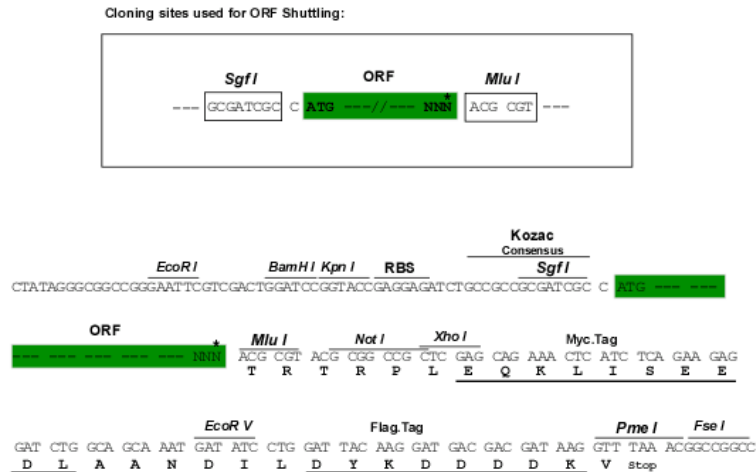
MLTLPFDESVMPE SQMCRKFARQCEDQKQIKKPESFPKQVVLRGKSIKRAPGEETEKEEEEEEDREEEDE
 NGLSRRRGLRKKKTKLRLERVKFRRQEANARERNRMHGLNDALDNLKVVPCYSKTQKLSKIETLRLAK
 NYIWALSEILRIGKRPDLLTFVQNLCKGLSQPTNLVAGCLQLNARSFLMGQGGEEAAHTRSPYSTFYPP
 YHSPELATPPGHGTLDNSKSMKPYNYCSAYESFYESTSPECASQFEGPLSPPPINYNIGIFSLKQEETLD
 YGKNYNYGMHYCAVPPRGPLGQGAMFRLPTDSHFYDHLHRSQSLTMQDELNAVFNH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:

NM_009717

ORF Size:

1014 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_009717.2](#)

RefSeq Size: 2154 bp

RefSeq ORF: 1014 bp

Locus ID: 11922

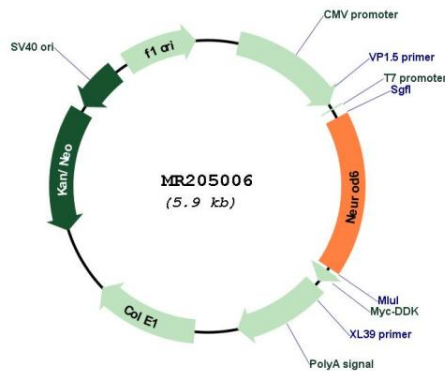
UniProt ID: [P48986](#)

Cytogenetics: 6 27.53 cM

MW: 38.6 kDa

Gene Summary: Activates E box-dependent transcription in collaboration with TCF3/E47. May be a trans-acting factor involved in the development and maintenance of the mammalian nervous system. Transactivates the promoter of its own gene.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205006