

Product datasheet for **RR211380**

Neurod4 (NM_001105942) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Neurod4 (NM_001105942) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Neurod4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211380 representing NM_001105942
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAAATGTACATGAAATCCAAGGATATGGTGGAGCTGGTCAACACACAATCTTGGATGGACAAAG
GTCTGAGCTCTCAAAATGAGATGGAGGAGCAAGAGAGAAGACCAGGGTCTTATGGAATGCTTGGAAACTT
AATGGAAGAGCATGACAGTATTGAAGAGGAGGAAGAAGAGGAAGAAGATGGAGATAAGCCTAAAAGAAGA
GGCCCCAAGAAAAGAAGATGACTAAAGCTCGCCTGGAAAGGTTCAAGGGCTCGAAGAGTCAAGGCCAATG
CTAGAGAACGAACCCGGATGCATGGCCTGAATGATGCCTTGGATAATCTTAGAAGAGTCATGCCATGTTA
CTCTAAAACCTCAAAGCTTTCCAAGATAGAGACTCTTCGACTGGCAAGGAACTACATCTGGGCCCTTGCT
GAAGTCTTGGAACTGGTCAGACACTTGAAGGGAAGGGATTTGTGGAATGCTATGTAAGGTCTCTCTC
AGCCACAAGCAACCTGGTTGCTGGATGCCTCAAAGTGGGCCCTCAATCTGCCCTCTGGAGAAGCGTGA
GGAAAAATCTCCAATTTGTGACTCTACTGTCTGTCCACAGCTTCAACTATCAGTCTCCAGGGCTCCCC
AGCCCTCCTTATGGCCATATGGAACACATCCTCTCCATCTCAAGCCTCAACCATTTAAGAGTTTGGGAG
ACTCTTTTGGGAGCCATCCACCTGACTGCAGTACCCCCCTTATGAGGGTCCACTCACACCACCCTGAG
TATTAGTGCAACTTCTCCTTAAAGCAAGAGGGCTCCCCGACTTGGAAAATCTACAACCTTCATGCCA
CATTATACCTCTGCAAGTGAAGTTCAGGGCATGTGCATTCAACGCCCTTCCAGACTGGCACTCCACGCT
ATGATGTTCTGTAGACCTGACCTATGATTCTACCCCCACCACGGTATTGGAACCTCAGATCAATACAAT
CTTCTCCGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211380 representing NM_001105942
 Red=Cloning site Green=Tags(s)

MAKMYMKSADMVELVNTQSWMDKGLSSQNEEMEEQERRPGSYGMLGNLMEEHDSIEEEEEEEEDGDKPKRR
 GPKKKKMTKARLERFRARRVKANARERTRMHGLNDALDNLRRVMPYCYSKTQKLSKIETLRLARNYIWA
 LSEVLETGQTLLEGKGFVEMLCCKGLSQPTSNLVAGCLQLGPQSALLEKREEKSPICDSTVSVHSFNYQSPGLP
 SPPYGHMETHPLHLKPQPFKSLGDSFGSHPPDCSTPPYEGPLTPPLSISGNFSLKQEGSPDLEKSYNFM
 PHTSASVSSGHVHSTPFQTGTPTRYDVPVDLTYDSYPHHGIGTQINTIFSD

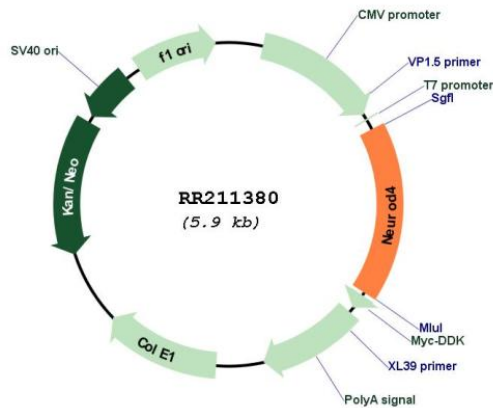
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105942

ORF Size:	990 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:	NM_001105942.1 , NP_001099412.1
RefSeq Size:	3314 bp
RefSeq ORF:	993 bp
Locus ID:	288821
Cytogenetics:	7q11
MW:	37.2 kDa