

Product datasheet for **RR210907**

Neurod1 (NM_019218) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurod1 (NM_019218) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neurod1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210907 representing NM_019218 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAATCATACAGCGAGAGCGGGCTGATGGGCGAGCCTCAGCCCCAAGTCCCCAAGCTGGACAG
ACGAGTGCCTCAGTTCTCAGGACGAGGAACACGAGGCAGACAAGAAGGAGGATGAGCTTGAAGCCATGAA
TGCAGAGGAGGACTCTCTGAGAAATGGGGGAGAGGAGGATGAAGATGAGGATCTGGAAGAGGAGGAA
GAGGAGGAGGAAGAGGAGGATGATCAAAAGCCCAAGAGACGGGGCCCCAAAAGAAAAGATGACCAAGG
CGCGCCTAGAGCGTTTTAAATTAAGACGCATGAAGGCCAATGCCCGGAGCGGAACCGCATGCACGGCT
GAATGCGGCGCTGGACAACCTGAGAAAGGTGGTACCCTGCTACTCTAAGACACAGAAGCTGTCTAAGATA
GAGACTGCGCTTGGCCAAGAATACTGAGGCTCTGTGAGAGATCCTGCGCTCAGGCAAAAGCCACG
ACCTCGTCTCCTTTGTACAGACTCTGCAAGGTTTGTCCAGCCACTACCAATTTGGTGGCTGGCTG
CTTGCAGCTCAACCCCGGACTTCTTGCCTGAGCAGAATCCGGACATGCCCCACACCTGCCAACCGCC
AGCGCTTCTTCCGGTGCATCCCTACTCTACCAGTCCCCTGGACTGCCAGCCCGCCCTACGGCACCA
TGGACAGCTCCCATGTCTTCCACGTCAAGCCGCCACACGCCTACAGCGCAGCCCTGGAGCCCTTCTT
TGAAAGCCCCCTAACTGATTGCACCAGCCCTTCTTTGACGGACCCCTCAGCCCGCGCTCAGCATCAAT
GGCAACTTCTCTTCAAACACGAACCATCCACCGAGTTTGAATAAATTATGCCTTTACCATGCACTACC
CTGCAGGACCCCTGGCAGGGCCCCAAAGCCACGGATCAATCTTCTCCTCGGGTGGCGCTGCTCCTCGCTG
TGAGATCCCCATAGACAATATTATGTCTTTCGATAGCCATTTCGCATCATGAGCGAGTCATGAGTGCCACG
CTTAATGCCATCTTTCACGAT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210907 representing NM_019218
Red=Cloning site Green=Tags(s)

MTKSYSESGLMGEPQPQPPSWTDECLSSQDEEHEADKKEDELEAMNAEDSLRNGGEEDEDEDELEEEE
 EEEEEEDDQPKRRGPKKKKMTKARLERFKLRMKNARERNRMHGLNAALDNLKVVPCYSKTQKLSKI
 ETLRLAKNYI WALSEILRSGKSPDLVSFVQTLCKGLSQPTTNL VAGCLQLNPRTF LPEQNPDMPPHLPTA
 SASFPVHPYSYQSPGLPSPPYGTMDSHVHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSPPLSIN
 GNFSFKHEPSTFEKNYAF TMHYPAATLAGPQSHGSI FSSGAAAPRCEIPIDNIMSFDSHSHHERVMSAQ
 LNAIFHD

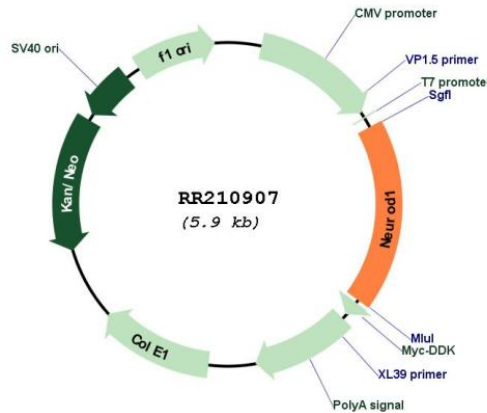
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019218

ORF Size:	1071 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_019218.2 , NP_062091.1
RefSeq Size:	1834 bp
RefSeq ORF:	1074 bp
Locus ID:	29458
UniProt ID:	Q64289
Cytogenetics:	3q24
MW:	40 kDa
Gene Summary:	a transcription factor; involved in neuronal differentiation [RGD, Feb 2006]