

## Product datasheet for **RR208998**

### **Nle1 (NM\_001127534) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nle1 (NM_001127534) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nle1
Synonyms:	RGD1308301
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR208998 representing NM\_001127534  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCGGCCGTGGAGTTTCTGACGAGGCGCGGCAAGCGACGTACAGCGGCTGCTCGTGCAGTTCC  
 AGGATGAGGGCGCCAGCTGCTGGGTCCCGTTCCGACGTGCCGGTGGACATCACGCCGACCAGCTGCA  
 GCTCGTGTGCAACCGCTGCTGGCCAGGACGAGCCCCTGCCCTTGCTTTCTATGTCCACGATGCTGAG  
 ATTGTGCTCGCTGGGGAAGACACTGGAGTCGCAGTCTGTGGAGACAGAGAAAATCGTAGACATCATCT  
 ACCAGCCTCAAGCTGTCTCAGGGTCCGCGCCGTGACACGGTGCCTAGCTCATTGGAGGTCACAGCGA  
 AGCCGTCAATTTCTGTGGCCTTCAGCCCCACGGAAAGTACCTGGCCAGTGGTTCCGGAGACACCACAGT  
 CGCTTCTGGGATCTCAGCACTGAGACACCGCACTCACATGCAAAGGACACCGGCACTGGTCTTAGCA  
 TATCCTGGTCCCAGATGGCAAGAACTGCCTCAGGCTGCAAGAATGGCCAGATTCTCCTGTGGGACCC  
 AAGCACAGGGACACAGGTGGCAGGACCCTCACTGGCCACAGCAAGTGGATCACAGCCCTAAGCTGGGAG  
 CCCCTTACATGAACCCGAGTCCGCTACGTGGCCAGCAGCTCCAAGGATGGCAGTGTACGAGTCTGGG  
 ATACAACGGCAGGCCGCTGTGAACGCATCCTACCCGGGCACACACAGTCAGTCACCTGCCTCCGATGGG  
 AGGAGATGGGCTTCTATATTCTGCTTCCAGGACCGAACTATCAAAGTCTGGAGGGCTCATGACGGTGTG  
 CTGTGCCGTACTCTTCAAGGTGATGGTCACTGGGTGAATACCATGGCGCTCAGCACAGACTATGCCTGC  
 GCACGGGGGCTTTGAGCCTGCTGAAGCCACAGTGAATGCCAAGACCTGCAGGGGCTCTGAAGGAGCT  
 GAAGGAGAGGGCATCGAGCCGCTACAACCTGTGCGGGGCAAGGCCAGAGAGGCTGGTCTCTGGCTCA  
 GACGACTTACCTTATCCTGTGGTCCCCAGCAGAGGACAAGAAGCCCTTGGCCGATGACAGGACACC  
 AGCCCTCATCAACCAGGTGCTCTCTCCTGACTCACGCATCGTGGCCAGTGCCTCCTCGACAGTGC  
 TATCAAGCTGTGGATGGCAGGACGGGCAAGTACCTAGCTTCCCTGCGTGGCCATGTGGCTGCTGTGTAC  
 CAGATTGCTGGTCACTGACAGCCGATTGCTGGTCACTGGCAGCAGTGCAGCACGCTGAAGGTGTGGG  
 ATGTGAAGGCCAGAACTGACCACAGACCTGCCTGGCCACGCCGATGAGGTATATGCTGTTGACTGGAG  
 TCCAGATGGCCAGAGAGTAGCAAGCGGTGGGAAAGACAAGTGCCTCCGGATATGGAGAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208998 representing NM\_001127534  
 Red=Cloning site Green=Tags(s)

MAAAVEVSDEAAASDVQRLLVQFQDEGGQLLGGSPFDVPVDITPDQLQLVCNALLAQDEPLPLAFYVHDAE  
 IVSSLGKTLESQSVETEKIVDIIYQPQAVFRVRAVTRCTSSLEGHSEAVISVAFSPTGKYLASGSGDTTV  
 RFWDLSTETPHFTCKGHRHWLISWSPDGKCLASGCKNGQILLWDPSTGTQVGRITLGHKWTGLSWE  
 PLHMNPECRYVASSKDGSRVVDTTAGRCERILTGHTQSVTCLRWGGDLLYSASQDRTIKVVRAHDGV  
 LCRTLQGHGHVNTMALSTDYALRTGAFEPAEATVNAQDLQGLKELKERASSRYNLVRGQGERLVS  
 DDFTLFLWSPAEDKKPLARMTGHQALINQVLFSPDSRIVASASFDKSIKLDWGRGTYLALSRGHVAAYV  
 QIAWSADSRLLVSGSSDSTLKVVDVKAQKLTDDLPGHADEVYAVDWSPDGQRVASGGKDKCLRIWRR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

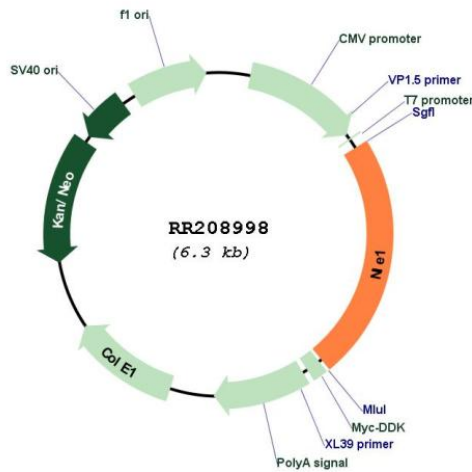
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001127534

ORF Size: 1461 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\\_001127534.1](#), [NP\\_001121006.1](#)

**RefSeq Size:** 1755 bp

**RefSeq ORF:** 1464 bp

**Locus ID:** 303372

**Cytogenetics:** 10q26

**MW:** 53.4 kDa