

## Product datasheet for **MR207771**

### **Nle1 (NM\_145431) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nle1 (NM_145431) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nle1
Synonyms:	AL022765; BC018399; I11Jus1; I11Jus4; Nle
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207771 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGGCGGTGGTGAAGAGGCGGGCAGCGACGTGCAGCGGCTGCTCGTACAGTTCCAGGATG  
 AGGGCGGTGAGCTGCTGGGCTCCCCGTTGACGTGCCCGTGGACATCACGCCGGACAAGCTGCAGCTGGT  
 GTGCAACGCGCTGCTGGCCAGGAGAGCCCTGCCCTGGCGTTCTATGTCCACAGTGTGAGATTGTG  
 TCCTCCCTGGGAAGACGCTGGAGTCCCAGTCTGTGGAGACAGAGAAAATCGTCGATATCATCTACCAGC  
 CCCAAGCTGTCTCAGGGTCCGGCTGTGACGCGGTGCACCAGCTCATTGGAGGGTACACGGAAGCTGT  
 CATTCTGTGGCCTTCAGCCCCACAGAAAGTACCTGGCCAGTGGTTCGGGAGACACCACTGTGCGCTTC  
 TGGGATCTCAGCACTGAGACACCGCACTCACATGCAAAGGACACCGCACTGGGTCCTTAGCATATCCT  
 GGTCCCAGATGGCAAGAACTGGCCTCAGGCTGCAAGAAATGGCCAGATTCTGCTGTGGACCCAAGCAC  
 GGGGCTGCAGGTGGCAGGACCCTCACTGGCCACAGCAAATGGATCACAGCCTGAGCTGGGAGCCCTT  
 CACATGAACCCCGAGTGGCGCTACGTGGCCAGCAGCTCCAAGACGGCAGTGTACGAGTCTGGGATACAA  
 CCGCAGGCCGCTGTGAACGCATCCTCACGGGACACACGCAGTCACTCACCTCCGATGGGGAGGAGA  
 TGGGCTTCTATATTCTGCTTCCCAGGACCGAACCATCAAAGTCTGGAGGGCCATGACGGTGTGCTGTG  
 CGTACTCTTCAAGGTCATGGCCACTGGGTGAACACCATGGCGCTTAGCACAGACTATGCCCTGCGCACAG  
 GGGCCTTTGAGCCTGTGAAGCCACAGTGAATGCCAAGACCTGCAGGGTCTTGAAGGAGCTGAAGGA  
 GAGGGCATCGAGCCGCTACAACCTCGTGGGGGCAAGGCCAGAGAGGCTGGTCTCTGGCTCAGACGAC  
 TTCACCTTATTCCTGTGGTCCCCAGCAGAGGACAAGAAGCCCTCGCCCGATGACAGGACACCAAGGCC  
 TCATCAACCAGGTGCTCTTCTCTCTGACTCGCGCATCGTGGCCAGTGCCTCTTCGACAAGTATCAA  
 GCTGTGGGATGGCCGGACGGGCAAGTACCTAGCTTCCCTGCGTGGCCACGTGGCAGCCGTACCAGATT  
 GCCTGGTCACTGACAGCCGACTATTAGTCAGCGGACAGTGCAGCACGCTGAAGGTGTGGGATGTGA  
 AGGCCAGAACTGGCCACGGACCTGCCTGGCCATGCCGATGAGGTATATGCTGTTGACTGGAGTCCAGA  
 TGGCCAGAGAGTAGCAAGCGGGGAAAGACAAGTGCCTCCGGATATGGAGAAGA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207771 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAAVVEEAAAGDVQRLLVQFQDEGGQLLGSPFDVDPVDITPDKLQLVCNALLAQEEPLPLAFYVHDAEIV  
 SSLGKTLSESQSVETEKIVDIIYQPQAVFRVRAVTRCTSSLEGHSEAVISVAFSPTGKYLASGSGDITVRF  
 WDLSTETPHFTCKGHRHWLISISWSPDGKLLASGCKNGQILLWDPSTGLQVGRITLGHKWTGLSWEPL  
 HMNPECRYVASSSKDGSVRVWDTTAGRCERILTGHTQSVTCLRWGGDGLLYSASQDRTIKVWRAHDGVL  
 RTLQGHGHVNTMALSTDYALRTGAFEPAEATVNAQDLQGLKELKERASSRYNLVRGQGERLVSIGSD  
 FTLFLWSPAEDKKPLARMTGHQALINQVLFSPDSRIVASASFDKSIKLWDGRTGKYLASLRGHVAAYYQI  
 AWSADSRLLVSGSSDSTLKVWDVKAQKLATDLPGHAEVYAVDWSPDGQQRVASGGKDKCLRIWRR

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_145431

**ORF Size:** 1458 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\\_145431.1](#), [NP\\_663406.1](#)

**RefSeq Size:** 1771 bp

**RefSeq ORF:** 1458 bp

**Locus ID:** 217011

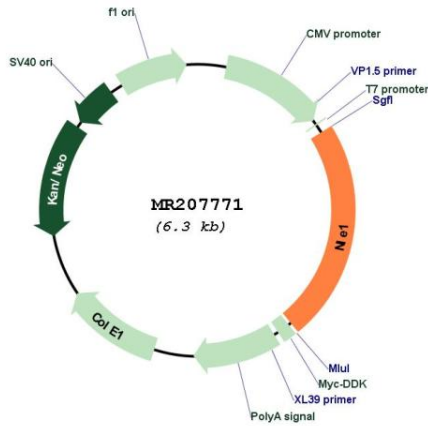
**UniProt ID:** [Q8VEI4](#)

**Cytogenetics:** 11 C

**MW:** 53.1 kDa

**Gene Summary:** Plays a role in regulating Notch activity (Probable). Plays a role in regulating the expression of CDKN1A and several members of the Wnt pathway, probably via its effects on Notch activity. Required during embryogenesis for inner mass cell survival.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207771