

Product datasheet for **RG221982**

NLE1 (NM_001014445) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLE1 (NM_001014445) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NLE1
Synonyms:	NLE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG221982 representing NM_001014445
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCAGCAGTGGCGGACGAGGCGGTGGCGCGCATGTGCAGCGTTGCTAGTGCAGTTCAGGATG
 AGGGCGGGCAGCTGCTGGGTTCCCCGTTTCGACGTGCCCGTGGACATCACCCCGGACAGGCTGCAGCTCGT
 GTGCAACGCGCTACTGGCCCAGGAGGATCCCCTGCCACTGGCTTTCTTTGTCCACAGTGTGAGATCGTC
 TCCTCACTGGGGAAGACGTTGGAGTCCCAGGCAGTGGAGACAGAGAAGGTCTAGACATCATCTACCAGC
 CACAGGCTATCTTCAGAGTCCGGGCTGTGACTCGCTGCACCAGCTCCTTGGAGGGTACAGTGAGGCAGT
 CATTCTGTGGCCTTCAGCCCTACGGGAAAGTACCTGGCCAGTGGCTCTGGAGACACCACCGTGCCTTC
 TGGGATCTCAGCACAGACACCACATTCACATGCAAGGGACACAGACTGGGTCCTTAGTATATCCT
 GGTCTCCAGATGGCAAGAAGCTGGCCTCAGGCTGCAAGAATGGCCAGATTCTCCTCTGGGACCAAGCAC
 AGGGAAGCAGGTGGCAGGACCCTCGCTGGCCACAGCAAGTGGATCACAGCCTGAGCTGGGAGCCCTC
 CATGCGAACCCCTGAGTGCCTATGTGGCCAGCAGCTCCAAGGATGGCAGTGTGCGGATCTGGGACACAA
 CTGCAGGCCGCTGTGAGCGCATCCTCACCGGGCACACCCAGTCCGTCACCTGTCTCCGGTGGGAGGGGA
 CGGGCTTCTACTCTGCCTCCCAGGACCCACCATCAAAGTCTGGAGAGCTCATGACGGTGTGCTGTGC
 CGGACTCTGCAAGGCCACGGCCACTGGGTGAACACCATGGCCCTCAGCACTGACTATGCCCTGCGCACTG
 GGGCCTTTGAACCTGTGAGGCCTCAGTTAATCCCAAGACCTCCAAGGATCCTTGCAAGGAGTTGAAGGA
 GAGGGCTCTGAGCCGATACAACCTCGTGGGGGCCAGGGTCCAGAGAGGCTGGTGTCTGGCTCCGACGAC
 TTCACCTATTCTGTGGTCCCCAGCAGAGGACAAAAAGCCTCTCACTCGGATGACAGGACACCAAGCTC
 TCATCAACCAGGTGCTCTTCTCTCTGACTCCCGCATCGTGGCTAGTGCCTCCTTTGACAACTCCATCAA
 GCTGTGGGATGGCAGGACGGGCAAGTACCTGGCTTCCCTACGCGGCCACGTGGCTGCCGTGTACCAGATT
 CGTGGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG
 AGGCCAGAAAGCTGGCCATGGACCTGCCCGGCCACGCGGATGAGGTATATGCTGTTGACTGGAGTCCAGA
 TGGCCAGAGAGTGGCAAGTGGTGGGAAGGACAAATGCCTCCGGATATGGAGGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221982 representing NM_001014445
 Red=Cloning site Green=Tags(s)

MAAAVADEAVARDVQRLLVQFQDEGGQLLGSPFDVPVDITPDRLQLVCNALLAQEDPLPLAFFVHDAEIV
 SSLGKTLESQAVETEKVLDIIYQPQAI FRVRAVTRCTSSLEGHSEAVISVAFSPTGKYLASGSDTTVRF
 WDLSTETPHFTCKGHRHWL S ISWSPDGKKLASGCKNGQILLWDPSTGKQVGR LAGH SKWITGLSWEPL
 HANPECRYVASSSKDGSVRIWDTTAGRCERILTGHTQSVTCLRWGGDGLLYSASQDRTIKVWRAHDGVL C
 RTLQGHGHWNTMALSTDYALRTGAFEPAEASVNPQDLQGLQELKERALSRYNLVRGQGPRLVSGSDD
 FTLFLWSPAEDKPLTRMTGHQALINQVLFSPDSRIVASASFDKSIKLWDGRTGKYLASLRGHVAAVYQI
 AWSADSRLLVSGSSDSTLKVWDVKAQKLA MDLPGHADEVYAVDWSPDGQRVASGGKDKCLRIWRR

TRTRPLE - GFP Tag - V

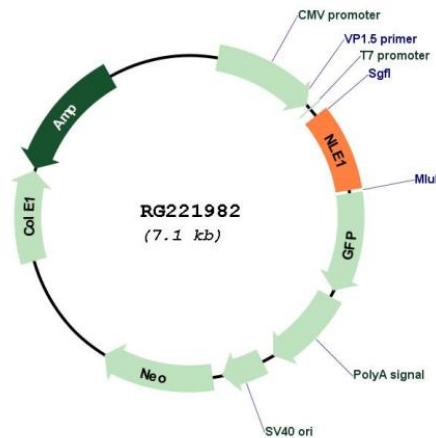
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014445

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:	<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:	<u>NM_001014445.1</u> , <u>NP_001014445.1</u>
RefSeq Size:	2698 bp
RefSeq ORF:	582 bp
Locus ID:	54475
UniProt ID:	<u>Q9NVX2</u>
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Gene Summary:	Plays a role in regulating Notch activity. 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 (By similarity).[UniProtKB/Swiss-Prot Function]