OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG204114

NLE1 (NM_018096) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLE1 (NM_018096) 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)

ORF Nucleotide Sequence:

>RG204114 representing NM_018096
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCAGCAGTGGCGGACGAGGCGGTGGCGCGCGATGTGCAGCGGTTGCTAGTGCAGTTCCAGGATG
AGGGCGGGCAGCTGCTGGGTTCCCCGTTCGACGTGCCCGTGGACATCACCCCGGACAGGCTGCAGCTCGT
GTGCAACGCGCTACTGGCCCAGGAGGATCCCCTGCCACTGGCTTTCTTTGTCCACGATGCTGAGATCGTC
TCCTCACTGGGGAAGACGTTGGAGTCCCAGGCAGTGGAGACAGAGAAGGTCCTAGACATCATCTACCAGC
CACAGGCTATCTTCAGAGTCCGGGCTGTGACTCGCTGCACCAGCTCCTTGGAGGGTCACAGTGAGGCAGT
CATTTCTGTGGCCTTCAGCCCTACGGGAAAGTACCTGGCCAGTGGCTCTGGAGACACCACCGTGCGCTTC
TGGGATCTCAGCACAGAGACACCACATTTCACATGCAAGGGACACAGACACTGGGTCCTTAGTATATCCT
GGTCTCCAGATGGCAAGAAGCTGGCCTCAGGCTGCAAGAATGGCCAGATTCTCCTCTGGGACCCAAGCAC
AGGGAAGCAGGTGGGCAGGACCCTCGCTGGCCACAGCAAGTGGATCACAGGCCTGAGCTGGGAGCCCCTC
CATGCGAACCCTGAGTGCCGCTATGTGGCCAGCAGCTCCAAGGATGGCAGTGTGCGGATCTGGGACACAA
CTGCAGGCCGCTGTGAGCGCATCCTCACCGGGCACACCCAGTCGGTCACCTGTCTCCGGTGGGGAGGGGA
CGGGCTTCTCTACTCTGCCTCCCAGGACCGCACCATCAAAGTCTGGAGAGCTCATGACGGTGTGCTGTGC
CGGACTCTGCAAGGCCACGGCCACTGGGTGAACACCATGGCCCTCAGCACTGACTATGCCCTGCGCACTG
GGGCCTTTGAACCTGCTGAGGCCTCAGTTAATCCCCAAGACCTCCAAGGATCCTTGCAGGAGTTGAAGGA
GAGGGCTCTGAGCCGATACAACCTCGTGCGGGGCCAGGGTCCAGAGAGGCTGGTGTCTGGCTCCGACGAC
TTCACCTTATTCCTGTGGTCCCCAGCAGAGGACAAAAAGCCTCTCACTCGGATGACAGGACACCAAGCTC
TCATCAACCAGGTGCTCTTCTCTCCTGACTCCCGCATCGTGGCTAGTGCCTCCTTTGACAAGTCCATCAA
GCTGTGGGATGGCAGGACGGGCAAGTACCTGGCTTCCCTACGCGGCCACGTGGCTGCCGTGTACCAGATT
GCGTGGTCAGCTGACAGTCGGCTCCTGGTCAGCGGCAGCAGTGACAGCACACTGAAGGTGTGGGATGTGA
AGGCCCAGAAGCTGGCCATGGACCTGCCCGGCCACGCGGATGAGGTATATGCTGTTGACTGGAGTCCAGA
TGGCCAGAGAGTGGCAAGTGGTGGGAAGGACAAATGCCTCCGGATATGGAGGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

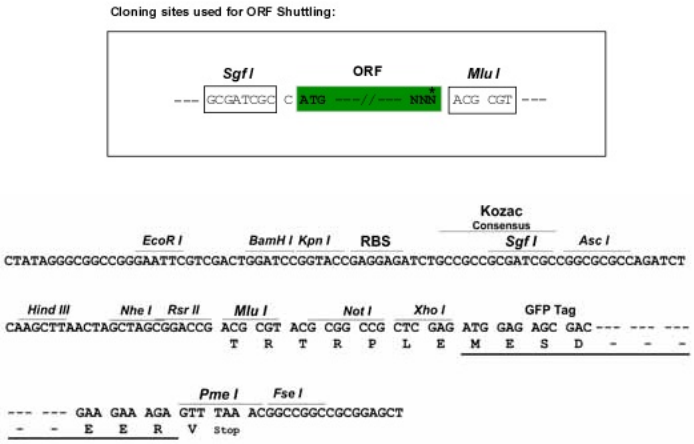
>RG204114 representing NM_018096
Red=Cloning site Green=Tags(s)

MAAAVADEAVARDVQRLLVQFQDEGGQLLGSPFDVPVDITPDRLQLVCNALLAQEDPLPLAFFVHDAEIV
SSLGKTLESQAVETEKVLDIIYQPQAIFRVRAVTRCTSSLEGHSEAVISVAFSPTGKYLASGSGDTTVRF
WDLSTETPHFTCKGHRHWVLSISWSPDGKKLASGCKNGQILLWDPSTGKQVGRTLAGHSKWITGLSWEPL
HANPECRYVASSSKDGSVRIWDTTAGRCERILTGHTQSVTCLRWGGDGLLYSASQDRTIKVWRAHDGVLC
RTLQGHGHWVNTMALSTDYALRTGAFEPAEASVNPQDLQGSLQELKERALSRYNLVRGQGPERLVSGSDD
FTLFLWSPAEDKKPLTRMTGHQALINQVLFSPDSRIVASASFDKSIKLWDGRTGKYLASLRGHVAAVYQI
AWSADSRLLVSGSSDSTLKVWDVKAQKLAMDLPGHADEVYAVDWSPDGQRVASGGKDKCLRIWRR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_018096
ORF Size:	1455 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_018096.2
RefSeq Size:	2591 bp
RefSeq ORF:	1458 bp
Locus ID:	54475
UniProt ID:	Q9NVX2

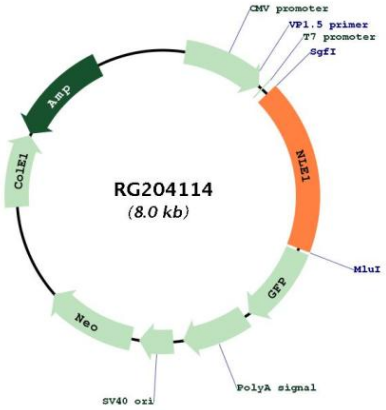
Cytogenetics: 17q12

Domains: WD40

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]

Product images:



Circular map for RG204114