

Product datasheet for SC113777

NLE1 (NM_018096) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLE1 (NM_018096) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLE1
Synonyms:	NLE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018096, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCAGCAGTGCCGACGAGGCGGTGGCGCGCATGTGCAGCGTTGCTAGTGCAGTTCAGGATG
 AGGGCGGGCAGCTGCTGGGTTCCCGTTTCGACGTGCCCCGTGGACATCACCCCGACAGGTCGAGCTCGT
 GTGCAACGCGCTACTGGCCAGGAGGATCCCTGCCACTGGCTTTCTTTGTCCACGATGCTGAGATCGTC
 TCCTCACTGGGGAAGACGTTGGAGTCCCAGGCAGTGGAGACAGAGAAGGTCCTAGACATCATCTACCAGC
 CACAGGCTATCTTCAGAGTCCGGGCTGTGACTCGCTGCACAGCTCCTTGGAGGGTCACAGTGAGGCAGT
 CATTTCTGTGGCCTTCAGCCCTACGGGAAAGTACCTGGCCAGTGGCTCTGGAGACACCACCGTGCCTTC
 TGGGATCTCAGCACAGAGACACCACATTTACATGCAAGGGACACAGACACTGGGTCCTTAGTATATCCT
 GGTCTCCAGATGGCAGGAAGCTGGCCTCAGGCTGCAAGAATGGCCAGATTCTCCTCTGGGACCCAAGCAC
 AGGGAAGCAGGTGGGACGACCCCTCGCTGGCCACAGCAAGTGGATCACAGGCCTGAGCTGGGAGCCCTC
 CATGCGAACCCCTGAGTGCCGCTATGTGGCCAGCAGCTCCAAGGATGGCAGTGTGCGGATCTGGGACACAA
 CTGCAGGCCGCTGTGAGCGCATCCTCACCGGGCACACCCAGTCGGTCACCTGTCTCCGGTGGGAGGGGA
 CGGGCTTCTCTACTCTGCCTCCCAGGACCGCACCATCAAAGTCTGGAGAGCTCATGACGGTGTGCTGTGC
 CGGACTCTGCAAGGCCACGGCCACTGGGTGAACACCATGGCCCTCAGCACTGACTATGCCCTGCGCACTG
 GGGCCTTTGAACCTGCTGAGGCCTCAGTTAATCCCCAAGACCTCCAAGGATCCTTGCAGGAGTTGAAGGA
 GAGGGCTCTGAGCCGATACAACCTCGTGGGGGCCAGGGTCCAGAGAGGCTGGTGTCTGGCTCCGACGAC
 TTCACCTTATTCCTGTGGTCCCCAGCAGAGGACAAAAAGCCTCTCACTCGGATGACAGGACACCAAGCTC
 TCATCAACCAGGTGCTCTTCTCTCTGACTCCCGCATCGTGGCTAGTGCCTCCTTTGACAAGTCCATCAA
 GCTGTGGGATGGCAGGACGGGCAAGTACCTGGCTTCCCTACGCGGCCACGTGGCTGCCGTGTACCAGATT
 GCGTGGTCAGCTGACAGTCGGCTCCTGGTCAGCGGCAGCAGTGACAGCACACTGAAGGTGTGGGATGTGA
 AGGCCAGAAAGCTGGCCATGGACCTGCCCGGCCACGCGGATGAGGTATATGCTGTTGACTGGAGTCCAGA
 TGGCCAGAGAGTGGCAAGTGGTGGGAAGGACAAATGCCTCCGGATATGGAGGAGATGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018096 unedited
 GTCACAATTTGTATACGACTCATATAGGGCGGCCGCAATTTCGCACGAGGCTGAGAGAGG
 CGAAGTGGGGCCCTTCTGGGCGGGCGACCACTGACTCCCGCCCACTTGCTCGCGCAG
 GACGAGGCGGTGGCGCGGATGTGCAGCGGTTGCTAGTGCAGTTCCAGGATGAGGGCGGG
 CAGCTGCTGGGTTCCCGGTTTCGACGTGCCCGTGGACATCACCCCGGACAGGCTGCAGCTC
 GTGTGCAACGCGCTACTGGCCCAGGAGGATCCCCTGCCACTGGCTTTCTTTGTCCACGAT
 GCTGAGATCGTCTCCTCACTGGGGAAGACGTTGGAGTCCCAGGCAGTGGAGACAGAGAAG
 GTCCTAGACATCATCTACCAGCCACAGGCTATCTTCAGAGTCCGGGCTGTGACTCGCTGC
 ACCAGCTCCTTGGAGGGTCACAGTGAGGCAGTCATTTCTGTGGCCTTCAGCCCTACGGGA
 AAGTACCTGGCCAGTGGCTCTGGAGACACCACCGTGCCTTCTGGGATCTCAGCACAGAG
 ACACCACATTTACATGCAAGGGACACAGACACTGGGTCTTAGTATATCCTGGTCTCCA
 GATGGCAAGAAGCTGGCCTCAGGCTGCAAGAATGGCCAGATTCTCCTCTGGGACCCAAGC
 ACAGGGAAGCAGGTGGCAGGACCCTCGCTGGCCACAGCAAGTGGATCACAGGCCCTGAG
 CTGGGAGCCCTCCATGCGAACCCTGAGTGCCGCTATGTGGCCACCAGCTCCAAGGATGG
 CAGTGTGCGGATCCTGGACACAACCTGCAGCCCGCTGTGAGCGCATCTCACCGGGCACAC
 CAGTCCGTACCTGTCTCCGTTGGGGATGGGACCGGGCTTTTCTACTCTGCCTCCAG
 ACCGAACCATCAAGGCTGGACAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018096 unedited
 TTGGACAGTTTTTACAAGGGATGGTTTGGNAAATCCAANCTGAGTAGTTCAGACCATGAC
 CCTGCTTAGCATGGGATGCAGNAGAAAGCAGAGGCAGGGTACATTAGGGCAAGATCTC
 GGCCTGGGGTCTGAGTCTGATGGGAATTCCTTTCACTGCTTGAAAGTTCTCGTGGCAAA
 GAACTTCTCTGTATCAACAATACCCACTTCTGCTCAGAGCTCATACTGCTGCCTCCCCA
 TCTGAGGGAATCCTCTGGAAGAGCCATCACCTTCCCGCTCTATCCCATGGGCCAGGGC
 AGTGCTTGGTGCCTGGCAGGGCCTCAAGCAGTGTGCTATGCGAAGGCAGAGGCATCCCCT
 GGAGCAGGGCTGACCAGCAGAACTCTCTTGATGATGAAAACCTTTCTGTGTGCTGTCCAA
 TACTGGAGGCCTTACCCAGTGCGATGGAGGAATGCACCTTCTATTTATGCCAGCAGTCA
 CATGTGGCCGGTGCCTACTGCAGTGGACAACAATACAGCCCTAGATTCTCCTTGGCCACT
 ATCACAACCTGGCCTCTCTTTACCAACACGGGGGAAGAGAGGGAAGGCAAGTGCCTGGTC
 AGTGTGGTTTTGGCGTAGTCCAGTGCAAGGGCGGNGGCTGGACAACTCATTTAGCACAG
 TCCTTGATTGAGTCATGGGGATTCTAGGACAAGGAATTAGAACCAACACAAAACTTA
 AGTTACTTATTTGGTCATAGAACCCTGNGATCTGACCCTGTACAGAGCTGACACTANGGGC
 CCACTCATAGAGCCTGGCTGCCACCAACCCTGTCTGTACCCAGCAGGTACAGAGTAGCA
 GACACGGGCCAAGNTCAGTGACAACCTCCTGTGACCTTCGATTCTGGCTCTGGGTGTGCC
 ACAGCGGNGATCTGTGGGAAAACCCATTNCGTCTATGAGACAGCAGCCACGCTCTCAGTC
 CCACTGTGGAGGTGTGGCACTGCATTACC

Restriction Sites:

NotI-NotI

ACCN:

NM_018096

Insert Size:

2800 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_018096.3</u> , <u>NP_060566.2</u>
RefSeq Size:	2591 bp
RefSeq ORF:	1458 bp
Locus ID:	54475
UniProt ID:	<u>Q9NVX2</u>
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] Transcript Variant: This variant (1) encodes the longer isoform (a).