

Product datasheet for **SC301943**

NLE1 (NM_001014445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLE1 (NM_001014445) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLE1
Synonyms:	NLE
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001014445, the custom clone sequence may differ by one or more nucleotides ATGGCCCTCAGCACTGACTATGCCCTGCGCACTGGGGCCTTTGAACCTGCTGAGGCCTCA GTTAATCCCAAGACCTCCAAGGATCCTTGCAGGAGTTGAAGGAGAGGGCTCTGAGCCGA TACAACCTCGTGCGGGGCCAGGGTCCAGAGAGGCTGGTGTCTGGCTCCGACGACTTACC TTATTCTGTGGTCCCCAGCAGAGGACAAAAAGCCTCTCACTCGGATGACAGGACACCAA GCTCTCATCAACCAGGTGCTTCTCTCCTGACTCCCGCATCGTGGCTAGTGCCTCCTTT GACAAGTCCATCAAGCTGTGGGATGGCAGGACGGGCAAGTACCTGGCTTCCCTACGCGGC CACGTGGCTGCCGTGTACCAGATTGCGTGGTCAGCTGACAGTCGGCTCCTGGTCAGCGGC AGCAGTGACAGCACACTGAAGGTGTGGGATGTGAAGGCCAGAAGCTGGCCATGGACCTG CCCGGCCACGCGGATGAGGTATATGCTGTTGACTGGAGTCCAGATGGCCAGAGAGTGGCA AGTGGTGGGAAGGACAAATGCCTCCGGATATGGAGGAGATGA
Restriction Sites:	Please inquire
ACCN:	NM_001014445
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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_001014445.1](#), [NP_001014445.1](#)

RefSeq Size: 2726 bp

RefSeq ORF: 582 bp

Locus ID: 54475

UniProt ID: [Q9NVX2](#)

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]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform b, which is shorter at the N-terminus, compared to isoform a.