

Product datasheet for **SC111361**

NCLN (NM_020170) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCLN (NM_020170) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCLN
Synonyms:	NET59
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111361 sequence for NM_020170 edited (data generated by NextGen Sequencing)

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ATGCTGGAGGAAGCGGGCGAGGTGCTGGAGAACATGCTGAAGGCGTCTTGTCTGCCGTTT
GGCTTCATCGTCTTCTGCCCGTGTGCTGCTGCTGGTGGCGCCGCCGCTGCCTGCCGCC
GACGCCGCGCACGAGTTACCCGTGTACCGCATGCAGCAGTACGACCTGCAGGGCCAGCCC
TACGGCACACGGAATGCAGTGTGAACACGAGGCGCGCACGATGGCGGGGAGGTGCTG
AGCCGCCGCTGCGTGTCTATGCGGCTACTGGACTTCTCCTACGAGCAGTACCAGAAGGCC
CTGCGGCAGTTCGGCGGGCGCCGTGGTTCATCATCCTGCCAGGGCCATGGCCGCCGTGCC
CAGGACGTCGTCCGGCAATTCATGGAGATCGAGCCGGAGATGCTGGCCATGGAGACCGCC
GTCCCCGTGACTTTGCCGTGGAGGACGAGGCCCTGCTGTCTATCTACAAGCAGACCCAG
GCTGCCTCCGCTCCCAGGGCTCCGCTCTGCTGCTGAAGTACTGCTGCGCACGGCCACT
GCCAACGGCTTCCAGATGGTCACCAGCGGGGTACAGAGCAAGGCCGTGAGTGACTGGCTG
ATTGCCAGCGTGGAGGGACGGCTGACGGGGCTGGGCGGAGAGGACCTTCCCACCATCGTC
ATCGTGGCCCACTACGACGCTTTGGAGTGGCCCCCTGGCTGTCGCTGGGCGGGACTCC
AACGGGAGCGGCTCTCTGTGCTGCTGGAGCTGGCACGCTTCTTCCCGGCTCTACACC
TACAAGCGCACGACGCCGCTACAACCTCCTGTTCTTTGCGTCTGGAGGAGGCAAGTTT
AACTACCAGGGAACCAAGCGCTGGCTGGAAGACAACCTGGACCACACAGACTCCAGCCTG
CTTCAGGACAATGTGGCCTTCGTGCTGTGCCTGGACACCGTGGGCCGGGGCAGCAGCCTG
CACCTGCACGTGTCCAAGCCGCTCGGGAGGGCACCCCTGCAGCACGCTTCTGCGGGAG
CTGGAGACGGTGGCCGCGCACCAAGTTCCTGAGGTACGGTTCTCCATGGTGCACAAGCGG
ATCAACCTGGCGGAGGACGTGCTGGCCTGGGAGCACGAGCGCTTCGCCATCCGCCGACTG
CCCGCTTACGCTGTCCACCTGGAGAGCCACCGTACGGCCAGCGCAGCAGCATCATG
GACGTGCGGTCCCGGGTGGATTCTAAGACCTGACCCGTAACACGAGGATCATTGCAGAG
GCCCTGACTCGAGTCATCTACAACCTGACAGAGAAGGGGACACCCCCAGACATGCCGGTG
TTCACAGAGCAGATGCAGATCCAGCAGGAGCAGCTGGACTCGGTGATGGACTGGCTCACC
AACCAGCCGCGGGCCGCGCAGCTGGTGGACAAGGACAGCACCTTCTCAGCACGCTGGAG
CACCACCTGAGCCGCTACCTGAAGGACGTGAAGCAGCACACGTC AAGGCTGACAAGCGG
GACCCAGAGTTTGTCTTCTACGACCAGCTGAAGCAAGTATGAATGCGTACAGAGTCAAG
CCGGCCGCTTTGACCTGCTCCTGGCCGTTGGCATTGCTGCCTACCTCGGCATGGCCTAC
GTGGCTGTCCAGCACTTACGCTCCTCTACAGGACCGTCCAGAGGCTGCTCGTGAAGGCC
AAGACACAGTGA
    
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Clone variation with respect to NM_020170.3
 58 c=>t;618 g=>a;1587 t=>c;1652 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020170 unedited
 TTTCCCCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
 AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG
 AATTGGGCACGAGGGGTGAGTCCGCGGGAGCCGCCGCCGCCGCTCCCGTCCCAGCTGC
 CGCCCCGCGCGCCCCCGCCGCCAGGATGCTGGAGGAAGCGGGCAGGTGCTGGAGA
 ACATGCTGAAGGCGTCTGTCTGCCGTTCCGCTTCATCGTCTTCCCTGCCCGCTGTGCTGC
 TGCTGGTGGCGCCGCGCTGCCTGCCGCCGACGCCGCGCAGAGTTCACCGTGTACCGCA
 TGACAGTACGACCTGCAGGGCCAGCCCTACGGCACACGGAATGCAAGTGTGAACACGG
 AGGCGCGCACGATGGCGCGGAGGTGCTGAGCCGCCGCTGCGTGTCTATGCGGCTACTGG
 ACTTCTCTACGAGCAGTACCAGAAGGCCCTGCGGCAGTCGGCGGGCGCCGTGGTCATCA
 TCCTGCCCAGGGCCATGGCCGCCGTGCCCAGGACGTCGTCGGCAATTCATGGAGATCG
 AGCCGGAGATGCTGGCCATGGAGACCGCCGTCCCGTGTACTTTGCCGTGGAGGACGAGG
 CCCTGTGTCTATCTACAAGCAGACCCAGGCTGCCTCCGCCTCCAGGGTCCGCCTCTG
 CTGCTGAAGTACTGCTGCGCACGGCCACTGCCAACGGCTTCAGATGGTACCAGCGGNG
 TACAGAGCAAGGCCGTGAGTGACTGGCTGATTGCCAGCGTGGAGGNACGGCTGACGGAGC
 TGGNCNGANAGGACCTTCCACATCGTCATCGTGGCCACTACGACGCTTTGNNAGTGGCCC
 CCTGGCTGTCNCTGGNCGCAGACTCAACGGNNAGCGCGTCTCTGTGCTGTGGAGCTGGC
 ACGCCTCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020170 unedited
 ATACTTATGTACGTGGCCGCTTTTTTANGATCGAGTTTTTTTTTTTTTTTTTTGGCGATCA
 TTCAATATGGCTTTATTTTCTCATCGGCCGGCTGCATCCCACACCAGCCTGAGCCCCAGA
 CGGTCACTCAGTGCATCCATCCTGACGACCTGTCCAGGAAGGAAGGAAGGACTCCCTC
 CAAAATGCTGGCCCCGTGGCACCCAGACAGGAGCCTGCTGGCTAGCATGCAAGCACTCCC
 CAAATTCTCTCATGGTGACAAGGTGGCAGCTGCCTGGGTCCCAGAGTCTCAGCACAAGTG
 CCCAGAGGCCAGTGGTGTGGGCCCTTGGGCAAGTCTCTGGAGGAGGCGGGCAACCCACA
 GGGCAGACGGGAGAAGAGGGTCCCCTGCCAACCTGGAGGAAAGAGGGTGGTTGTCCCCT
 CACCCCTCCAGGCTGCAGTTCTGGAGGGCAGAGGTGCTGGCCGAAGAACTGGTGGCCAA
 AGTGAGACCCCTGGTCTATCTGGACAGAACCCAGGCTCCCATGGGCCGGCCAGGTC
 CTTGGACAGCAAACACCTCCCTGGGCCACGGAAGGGAGACGGCTGCGGGTGCCAGGCCA
 GGACTTGCCAGCTCAAGTCCCTTCCCCACCAAGCCTGCTCGGCACGCACTGGGTAGGTT
 ATATTGCTAAAGAACGGACACACCGGGGTCTCCCTGAGCTCAACACGGGCTCCTTCTC
 TCCACACACACGACGCTGGTCTGCGGGTGGGNAGGTTCTGTCCAAGGCTTCCCGAG
 GGCCCGGACCTTCTTCTGAGTTCAGAAAGGTGGCCCCANAGCCATGCCCAAGTCTCT
 CCTTCCAGAAACGTTCTACTGACGCCCCACCCGAACATCCTTGCATTGAGA

Restriction Sites:

NotI-NotI

ACCN:

NM_020170

Insert Size:

4100 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_020170.3](#), [NP_064555.2](#)

RefSeq Size: 3749 bp

RefSeq ORF: 1692 bp

Locus ID: 56926

UniProt ID: [Q969V3](#)

Cytogenetics: 19p13.3

Protein Families: Transmembrane

Gene Summary: May antagonize Nodal signaling and subsequent organization of axial structures during mesodermal patterning.[UniProtKB/Swiss-Prot Function]