

Product datasheet for **RC203574**

NCLN (NM_020170) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCLN (NM_020170) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NCLN
Synonyms:	NET59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC203574 representing NM_020170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAGGAAGCGGGCGAGGTGCTGGAGAACATGCTGAAGGCGTCTTGTCTGCCGCTCGGCTTCATCG
 TCTTCCTGCCCGCTGTGCTGCTGCTGGTGGCGCCGCCGCTGCCTGCCCGGACGCCGCGCACGAGTTCAC
 CGTGTAACGCATGCAGCAGTACGACCTGCAGGGCCAGCCCTACGGCACACGGAATGCAGTCTGAACACG
 GAGGCGCGCACGATGGCGGCGGAGGTGCTGAGCCGCCGCTGCGTGCTCATGCGGCTACTGGACTTCTCT
 ACGAGCAGTACCAGAAGGCCCTGCGGCAGTGGCGGGCGCCGCTGGTTCATCATCTGCCAGGGCCATGGC
 CGCCGTGCCCCAGGACGTCGTCGGCAATTCATGGAGATCGAGCCGAGATGCTGGCCATGGAGACCGCC
 GTCCCCGTGTACTTTGCCGTGGAGGACGAGGCCCTGCTGTCTATCTACAAGCAGACCCAGGCTGCCTCCG
 CCTCCCAGGGCTCCGCCCTGCTGCTGAAGTACTGCTGCGCACGGCCACTGCCAACGGCTCCAGATGGT
 CACCAGCGGGGTACAGAGCAAGGCCGTGAGTACTGGTGGTATTGCCAGCGTGGAGGGCGGCTGACGGGG
 CTGGGCGGAGAGGACCTCCACCATCGTCATCGTGGCCCACTACGACGCCTTTGGAGTGGCCCCCTGGC
 TGTGCTGGGCGCGGACTCCAACGGGAGCGGCTCTCTGTGCTGCTGGAGCTGGCACGCCTCTTCTCCCG
 GCTCTACACCTACAAGCGCACGACGCCGCTACAACCTCCTGTTCTTTGCGTCTGGAGGAGGCAAGTTT
 AACTACCAGGGAACCAAGCGCTGGCTGGAAGACAACCTGGACCACACAGACTCCAGCCTGCTTCAGGACA
 ATGTGGCCTTCGTGCTGTGCTGGACACCGTGGGCGGGGCGAGCAGCCTGCACCTGCACGTGTCCAAGCC
 GCCTCGGAGGGCACCCTGCAGCACGCCTTCTGCGGGAGCTGGAGACGGTGGCCGCGCACCAAGTTCCT
 GAGGTACGGTTCTCCATGGTGCACAAGCGGATCAACCTGGCGGAGGACGCTGCTGGCCTGGGAGCACGAGC
 GCTTCGCCATCCGCCACTGCCCGCCTTCACGCTGTCCACCTGGAGAGCCACCGTGACGGCCAGCGCAG
 CAGCATCATGGACGTGCGGTCCCGGTGGATTCTAAGACCCTGACCCGTAAACAGGAGGATCATTGCAGAG
 GCCCTGACTCGAGTCATCTACAACCTGACAGAGAAGGGGACACCCCAAGCATGCCGGTGTTCACAGAGC
 AGATGCAGATCCAGCAGGAGCAGCTGGACTCGGTGATGGACTGGCTACCAACCAGCCGCGGGCCGCGCA
 GCTGGTGGACAAGGACAGCACCTTCTCAGCACGCTGGAGCACCACTGAGCCGCTACCTGAAGGACGTG
 AAGCAGCACACGTCAGGCTGACAAGCGGGACCCAGAGTTTGTCTTCTACGACCAGCTGAAGCAAGTGA
 TGAATGCGTACAGAGTCAAGCCGGCGTCTTTGACCTGCTCCTGGCTGTTGGCATTGCTGCCTACCTCGG
 CATGGCCTACGTGGCTGTCCAGCACTTCAGCCTCCTCTACAAGACCGTCCAGAGGCTGCTCGTGAAGGCC
 AAGACACAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203574 representing NM_020170
 Red=Cloning site Green=Tags(s)

MLEEAGEVLENMLKASCLPLGFIVFLPAVLLLPAADAAHEFTVYRMQQYDLQGQPYGTRNAVLNT
 EARTMAAEVLRRRCVLMRLDFSIEYQYKALRQSAGAVVILPRMAAVPQDVVRQFMEIEPEMLAMETA
 VPVYFAVEDEALLSIYKQTQAASASQGSASAAEVLLRTATANGFQMTSGVQSKAVSDWL IASVEGRLTG
 LGGEDLPTIVIVAHYDAFGVAPWLSLGADSNNGSVLLELRLFSRLYTYKRTHAAYNLLFFASGGGKF
 NYQGTRWLEDNLDHTDSSLQDNVAFVLCCLDTVGRGSSLHLHVS KPPREGTLQHAFLRELETVAHQFP
 EVRFSMVHKRINLAEDVLAWEHERFAIRRLPAFTLSHLESHRDGQRSSIMDVRSRVD SKTLTRNTRIIAE
 ALTRVIYNLTEKGTTPDMPVFTEQMIIQQEQQLDSVMDWLTNQPRAAQLVDKDSTFLSTLEHHL SRYLKDV
 KQHVKADKRDPEFVFYDQLKQVMNAYRVKPAVFDLLAVGIAAYLGMAYYAVQHF SLLYKTVQRLLVKA
 KTQ

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8112_f09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_020170

ORF Size: 1689 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

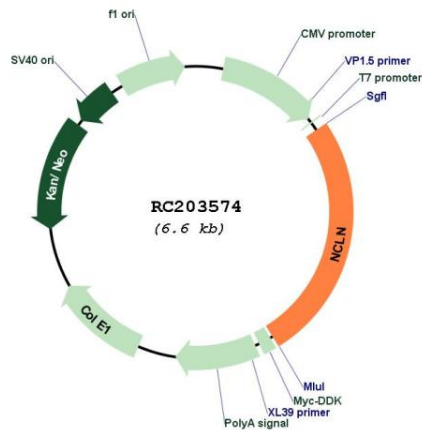
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

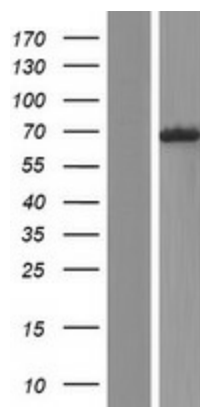
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_020170.4</u>
RefSeq Size:	3749 bp
RefSeq ORF:	1692 bp
Locus ID:	56926
UniProt ID:	<u>Q969V3</u>
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
MW:	62.8 kDa
Gene Summary:	May antagonize Nodal signaling and subsequent organization of axial structures during mesodermal patterning.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203574



Western blot validation of overexpression lysate (Cat# [LY412597]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203574 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).