

Product datasheet for **SC108633**

NOC2L (NM_015658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOC2L (NM_015658) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOC2L
Synonyms:	NET7; NET15; NIR; PPP1R112
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015658, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCTGCGGGGAGCCGCAAGAGGCGCTGGCGGAGCTGACGGTGGACGAGTTCTAGCTTCGGGCT
TTGACTCCGAGTCCGAATCCGAGTCCGAAAATTCTCCACAAGCGGAGACACGGGAAGCACGCGAGGCTGC
CCGGAGTCCGGATAAAGCGGGCGGGAGCCCTCGGCCAGCCGGCTAAAGGCCGTGCCTCTGAGCACAAA
GACCAGCTCTCTCGGCTGAAGGACAGAGACCCCGAGTTCTACAAGTTCTGCAGGAGAATGACCAGAGCC
TGCTAAACTTCAGCGACTCGGACAGCTCTGAGGAGGAAGAGGGGCCGTTCCACTCCCTGCCAGATGTGCT
GGAGGAAGCCAGTGAAGGAGGAGATGGAGCGGAGGAAGGAGAAGATGGGGACAGAGTCCCCAGAGGGCTG
AAGGGGAAGAAGAATTCTGTTCTGTGACCGTCCGATGGTTGAGAGATGGAAGCAGGCAGCAAAGCAAC
GCCTCACTCCAAAGCTGTTCCATGAAGTGGTACAGGCGTCCGAGCAGCTGTGGCCACCACCCGAGGGGA
CCAGGAAAGTGTGAGGCCAACAAATCCAGGTACGGACAGTGTGCATTCAATGCTCTGGTTACCTTC
TGCATCAGAGACCTCATTGGCTGTCTCCAGAAGCTGCTGTTTGGAAAGGTGGCAAAGGATAGCAGCAGGA
TGCTGCAGCCGTCCAGCAGCCCGCTCTGGGGGAAGCTTCGTGTGGACATCAAGGCTTACCTGGGCTCGGC
CATAAGCTGGTGTCTGTGTGCGGAGACGACGGTGTGGCGGCCGTGCTGCGGCACATCAGCGTGTCTG
GTGCCCTGCTTCCCTGACCTTCCCAAGCAGTGCAGCATGCTGCTCAAGAGAATGGTGGTCTGATGGAGCA
CTGGGGAAGAGTCTCTGCGGGTGTGGCTTTCCTGGTCTCAGCAGAGTCTGCCGCACAAGAAGGACAC
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GCCCTCCCCTTCCATCAGTTTTCATGCAGTGGACCTTACCGGAGCTGCTGGCCCTGGAGCCGGGTGTGGCT
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GGAAACATACCAGTCTGTGTACAACGGCAGTATGTGCACTGCCTTCTCCTGTGGTGGCCGGTCTTGAGC
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TGCAAGGTGGCCAACTACTGCCGGCAGGTGCAGCAGCTGCTTGGGAAGGTTCAAGGAACTCGGCATACA
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GACCCGGGAAGAGGGGACACCCCTGACCTTGTACTACAGCCACTGGCGCAAGCTGCGTGACCGGGAGATC
CAGCTGGAGATCAGTGGCAAAGAGCGGCTGGAAGACCTGAACTTCCCTGAGATCAAACGAAGGAAGATGG
CTGACAGGAAGGATGAGGACAGGAAGCAATTTAAAGACCTCTTTGACCTGAACAGCTCTGAAGAGGACGA
CACCGAGGGATTCTCGGAGAGAGGGATACTGAGGCCCTGAGCACTCGGCATGGGGTGAAGACGATGAA
GAGGACGAGGAGGAGGGCGAGGAGGACAGCAGCAACTCGGAGGATGGAGACCCAGACGCAGAGGCGGGGC
TGGCCCTGGGGAGCTGCAGCAGCTGGCCAGGGGCCGGAGGACGAGCTGGAGGATCTGCAGCTCTCAGA
GGACGACTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015658 unedited
 GCGCGTCGNAATTTTGTAAACGACTCATATAGGGCGGCCGGAATCGGCACGAGGGCTTC
 GGGTTGGTGTGCATGGCAGCTGCGGGGAGCCGCAAGAGGCGCCTGGCGGAGCTGACGGTGG
 ACGAGTTCCTAGCTTCGGGCTTTGACTCCGAGTCCGAATCCGAGTCCGAAAATTCCTCCAC
 AAGCGGAGACACGGGAAGCACGCGAGGCTGCCCGGAGTCCGGATAAGCCGGGCGGGAGCC
 CCTCGGCCAGCCGGCGTAAAGGCCGTGCCTCTGAGCACAAGACCAGCTCTCTCGGCTGA
 AGGACAGAGACCCCGAGTTCTACAAGTTCCTGCAGGAGAATGACCAGAGCCTGCTAAACT
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 TGGAGGAAGCCAGTGAGGAGGAGATGGAGCGGAGGAAGGANAAGATGGGGGACAGAGTC
 CCCAGAGGGCTGAAGGGGAAGAAGAAATTCTGTTCTGTGACCGTCGCCATGGTTGAGAGA
 TGGAAAGCAGGCAGAAAGCAACGCCTCACTCCAAAGCTGTTCCATGAAGTGGTACAGGCG
 TTCCGAGCAGCTGTGGCCACCACCCGAGGGGACCAGGAAAGTGTGAGGCCAACAAATTC
 CAGGTCACGGACAGTGTGCATTCAATGCTCTGGTTACCTTCTGCATCAGAGACCTCATT
 GGCTGTCTCCAGAAGCTGTGTTTGGAAAGGTGGGCAAAGATAGCAGCAAGATGTGCAG
 CCGTCCAGCAGCCCGCTCTGGAGGAAGTTCGTGTGGACATCAAGGGCTACCTGGGCTCG
 GCCTACAGCTGGTGTCTGTCTGTGCGAACCCAGGTGTTTGGCGGGCGTCTTGGCCACA
 TCAACGTGCTGGTGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015658 unedited
 NTTTTAGCTCTGGACCCGCGCCGCAATCTAGNGATCGGNTTTTTTTTTTTTTTTTTTTTTTT
 TT
 GTTTCGGATGCAAAACAAAAATTTTTAAAAAAAATGGGACTTCAAAGGAAAAAAACAAT
 TTTCCAAAAACTTGGGGGAGGAAAGGCAAACCCCTGGGCCAAATGGACAAGGTCTGCAAA
 GGAGGGCAAAGGGGGGAAAGGGGCCAGGGCCTGCAGGCCTCCCCTGAAACTGGAAC
 GGTCTCGGTCTGCTGACGTAAGGGTCACCTCCCCGGGGAGTGACTTACGACCCCCACA
 GTTGGGGGTTTAAAGAGCCACACCAGCCAGCCAGCCAGTTTGGATACGTTGGGT
 TTTTATGCTGAAAAAAAAAAAAATAAGCCTGTCCCGGTTTACTGCCTCCCCAACTGCA
 CAAACCCACCCTTTAGGCCTGACTGCCAGGGAGGGGAAACACTGGCCACCAGCCCGGA
 AGCCCCACAGGCCCCCAAAGGGGCTGCCTCAGCCGCCCTCTGAAAGCTGAAAAATCCTC
 CAGTTTGTCTCCGCCCCCTGGGCCAGTTGTTGAAGCTCCCAGGGGCCAGCCCCGCCTT
 TCGTTTTGGGGTCTCCATCCCAAGACCATTACCCTCCGAGTTGGTGGGGCCTCCTCGC
 CCTCCTCCTGGGCTCTTAATGGGGTCCCACCCATGCCCGAGGCTCAGGGGCTCAATA
 TCCTTTCTCGAAATCCCTGGGGGGCGCCTCTCAAACCTGGTCAGGAAAAAAGGCTTT
 AAATGGTTCCTGGCCCAACCCTTCTGGAACATTTTCTTTGGTTGACTAAAGGAAATAAG
 GTTTTACCCCTTCTTCCCGGATCCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_015658

Insert Size:

2740 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_015658.1](#), [NP_056473.1](#)

RefSeq Size: 2762 bp

RefSeq ORF: 2250 bp

Locus ID: 26155

UniProt ID: [Q9Y3T9](#)

Cytogenetics: 1p36.33

Domains: UPF0120

Protein Families: Stem cell - Pluripotency

Gene Summary: Histone modification by histone acetyltransferases (HAT) and histone deacetylases (HDAC) can control major aspects of transcriptional regulation. NOC2L represents a novel HDAC-independent inhibitor of histone acetyltransferase (INHAT) (Hublitz et al., 2005 [PubMed 16322561]).[supplied by OMIM, Mar 2008]