

Product datasheet for **MC203667**

Ncl (NM_010880) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncl (NM_010880) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ncl
Synonyms:	B530004O11Rik; C23; D0Nds28; D1Nds28; Nucl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005460
 GCTCTTCCGAGCTGCTCGCTCTCCACACGCGCCGCCCGCGTAATCCGCCACCATGGTGAAGCTCGCAAAG
 GCTGGCAAACCCACGGTGAGGCCAAGAAAATGGCTCCTCCTCAAAGGAGGTGGAAGAGGATAGTGAAG
 ATGAAGAAATGTCAGAAGATGAAGATGACAGCAGTGGAGAAGAGGAGGTTGTCATCCCTCAGAAAAAGG
 CAAAAAGGCTACCAACCCAGCAAAGAAGGTGGTTGTTTCAAAAACAAAAAGGCTGCAGTCCCACA
 CCAGCTAAGAAAGCAGCTGTGACCCAGGCAAAAAGGCAGTAGCCACACCAGCTAAGAAAAACATTACAC
 CAGCCAAAGTCATTCCAACACCCGGTAAGAAGGGAGCTGCACAAGCAAAGCGTTGGTACCAACTCTGG
 TAAAAAGGGAGCTGCCACTCCAGCTAAGGGGGCTAAGAACGGTAAGAATGCCAAGAAGGAAGACAGTGAT
 GAGGATGAAGATGAAGAGGATGAAGAAGATAGCGATGAGGATGAAGATGATGAGGAAGAGGATGAGTTG
 AGCCACCAATAGTAAAAGGAGTGAAGCCAGCAAAGCAGCTCCTGCTGCTCCTGCCCTCCGAGGATGAGGA
 AGATGATGAGGATGAAGATGATGAGGAAGAGGAAGATGAAGAAGAGGAAGATGACTCTGAGGAAGAAGTT
 ATGGAGATCACAACAGCCAAAGGAAAGAAAACCTCTGCAAAGTTGTTCCATGAAAGCCAAAGATGTGG
 CTGAGGAGGAGGATGAGGAGGAAGAGGATGAAGATGACGAGGATGAGGATGATGAGGAAGAGGATGACGA
 AGATGATGATGAGGAAGAAGAGGAGGAAGAACCTGTTAAGCAGCACCTGAAAAACGGAAGAAGGAGATG
 ACCAAGCAGAAAAGGCCCTGAAGCCAAGAAACAGAAAGTAGAAGGCTCAGAACCAACTACACCTTTCA
 ATCTGTTCAATTGGAACCTTAATCCAAACAAGTCTGTTAATGAATTAATAATTTGCCATCAGTGAACCTTT
 TGCTAAAAATGATCTTGCTGTTGTGGATGTCAGAACTGGTACAAATAGGAAATTTGGTTATGTGGACTTT
 GAGTCTGCTGAAGACCTAGAAAAGGCCTTGAGGCTCACTGGTTTTAAAAGTGTGGCAATGAAATTAAC
 TAGAAAAACAAAAGGAAGAGATAGTAAGAAAGTTCGAGCTGCAAGAACACTTCTAGCCAAAAACCTCTC
 TTTCAACATCACTGAGGATGAATTAAGGAAAGTGTGTAAGACGCCATGGAGATCAGATTAGTCAGCCAG
 GATGGGAAAAGTAAAGGGATTGCTTATATTGAATTTAAGTCTGAAGCTGATGCAGAGAAAAATTTGGAAG
 AAAAGCAGGGGGCAGAAATTTGATGGACGATCTGTTTCACTCTACTATACTGGAGAGAAAGGTCAAAGGCA
 AGAGAAACTGGAAAGACCAGCACTTGGAGTGGTGAATCAAAGACTTTGGTTTTAAGTAACTTTCTCTAC
 AGTGCAACAAAAGAAACTCTTGAGGAAGTATTTGAGAAAAGCAACTTTTATCAAAGTGCCCCAGAACCAC
 ATGGCAAACCTAAAGGGTATGCATTTATAGAATTTGCTTCATTTGAAGATGCTAAAGAAGCTTTAAATTC
 CTGTAATAAAATGGAATTTGAGGGCAGAACATCAGGCTGGAGTTGCAAGGATCCAATTCGAGAAGTCAA
 CCATCCAAAACCTGTTTGTCAAAGGTCTGTCTGAGGATACCACTGAAGAGACCTTAAAAGAATCATTTG
 AGGGCTCTGTTCTGTGCAAGAATAGTCACTGATCGGGAACTGGTCTTCCAAAGGGTTGGTTTTGTAGA
 CTTTAATAGTGAGGAAGATGCCAAAGCTGCCAAGGAGGCCATGGAAGATGGAGAAATGACGGAACAAA
 GTTACCTTGGACTGGCCAAACCTAAGGGTGAAGGTGGCTTTGGTGGTGGAGGTGGAGGCAGAGGAGGTT
 TCGGAGGCAGAGGTGGAGGCAGAGGTGGAAGAGGTGGATTTGGAGGAAGAGGCCGGGGAGGCTTTGGAGG
 TAGAGGAGGCTTCCGAGGCGGCAGAGGAGGAGGGGAGACTTCAAGCCACAAGGAAAAGAAGCAAGTTT
 GAATAGTTCCTTCCATCCCATTCTTTCCCTCTTCATTTTAAAGAAAGGACTCTGGGGTTTTACTCTGTT
 ACCTGTCAATGACAGAGCCTTCTAAGGACATTCCAAGACAGTAAAGATCCTAAACTCTGTTGCCAGACT
 TAATACTTCTAGAGGTTACATTTGGATTGTTGCTTAAGAGCTTGGCAAGACCAACTCTGCCAGTGGGA
 ATTTCAAGTTGTTTCTACTGCTTTCAAGAATCCCAGCTACAAATGTGGAAATTTGGTGGGAACAGCTT
 CATCATGATTCTGATCTGGAAGATTTAATTTGTATCTTAGAAGGGTGTGTACTGGAAAAGTGGTTGATAG
 AGCACATGGATCAGTGTGAAAATACCATACAAGAGCTTGTGTGGTATGTAATTTATCCCAGCATAAT
 AAGAAAAACAGTACAGTGAATCTGAAATGACCTGGACAAGGAATGGTACCCCATTTGGTTGAAAAAT
 CACATAGTCAGGATGGTTGCACATGCCTTTAACCCAGCACTTGGGAGGGAGAGGCTGGTAGATCTGAGT
 TTGATCTGATGTACAGAGAGTTCAGAAGACGCCAGGGCTGTTTATTAGAGAAAAAACCTGTCTTAAAA
 AACAAAGAAAAAAACCTCACAGACAACCAAAATACAGAGTTTTAGCCACTGAGTACCAAGTCTCAGCAGC
 AAGCTGGGAGTGACGTAATCCAATCCCATGGGAGGCTAAAGCAGTCTATGACTTCAATGCCAGTTGGGTC
 TGCAGAACTGAGTTGCTGGATAGTGAGGGATACATAGAACTTTGCTTGAATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
 ACCN: NM_010880
 Insert Size: 2124 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: [BC005460](#), [AAH05460](#)

RefSeq Size: 3005 bp

RefSeq ORF: 2124 bp

Locus ID: 17975

UniProt ID: [P09405](#)

Cytogenetics: 1 43.94 cM

Gene Summary: Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats (By similarity).[UniProtKB/Swiss-Prot Function]