

## Product datasheet for MC209016

### Ndn (NM\_010882) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ndn (NM_010882) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ndn
Synonyms:	AI528698; Peg6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209016 representing NM_010882 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTCGGAACAAAGTAAGGACCTGAGCGACCCTAACTTTGCAGCCGAGGTCCCCGACTGTGAGATGCAGG  
 ACAGCGATGCCGTTCCGGTGGGGATCCCTCCTCCCGCTTCTCTGGCCGCTAACCTCGCAGGGCCACCGTG  
 CGCTCCCGAAGGCCCTATGGCAGCCCAACAGGCCTCGCCACCGCCGAAGAACGGATAGAAGATGTTGAC  
 CCTAAATCCTGCAGCAGGCCGAGAGGAGGGCCGCGCCACCAGCCCCAGAGTCCAGCCCGCCGATCC  
 CAGCACCGCCAGCCCCTGCCAGCTGGTGCAGAAAGCGCACGAGCTCATGTGGTACGTGTTGGTGAAGGA  
 CCAGAAGAGGATGGTCTCTGGTTCCAGACATGGTGAAAGAGGTATGGGCAGCTACAAGAAATGGTGC  
 AGAAGCATCCTCAGGCGCACCAGCGTCATCCTCGCCAGAGTGTTGCGGCTGCACCTGAGGCTGACCAATC  
 TCCACACCATGGAGTTTGCCCTGGTCAAAGCCCTCAGCCAGAGGAGCTAGACAGGGTGGCGCTCAACAA  
 CCGTATGCCCATGACAGGCCTCTGCTCATGATCCTGAGCCTCATCTATGTGAAGGGCCGCGGGCCAGA  
 GAGGGTGCAGTCTGGAATGTGCTGCGCATCCTGGGGCTGAGGCCCTGGAAGAAGCACTCCACCTTCGGAG  
 ACGTGAGGAAGATAATCACCGAGGAGTTCGTCCAGCAGAAATTACCTGAAGTACCAGCGTGTGCCCCACAT  
 CGAGCCTCCCGAGTACGAGTCTTCTGGGGTCCAGAGCTAACCGTGAATCACCAGATGCAGATCATG  
 GAGTTCCTGGCCAGAGTCTCAAGAAAGATCCCCAGGCGTGGCCTTCCGATACAGGGAGGCTCTGGAGC  
 AGGCCAGAGCTCTGCGGAGGCTAATCTTGCTGCCAGGCCCGCCGACAGTGTCTCTGAGGAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_010882


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<b>Insert Size:</b>	978 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_010882.3</a> , <a href="#">NP_035012.2</a>
<b>RefSeq Size:</b>	1652 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	17984
<b>UniProt ID:</b>	<a href="#">P25233</a>
<b>Cytogenetics:</b>	7 C
<b>Gene Summary:</b>	<p>Growth suppressor that facilitates the entry of the cell into cell cycle arrest. Functionally similar to the retinoblastoma protein it binds to and represses the activity of cell-cycle-promoting proteins such as SV40 large T antigen, adenovirus E1A, and the transcription factor E2F. Necdin also interacts with p53 and works in an additive manner to inhibit cell growth. Functions also as transcription factor and binds directly to specific guanosine-rich DNA sequences.[UniProtKB/Swiss-Prot Function]</p>