

Product datasheet for **MG204720**

Ndn (NM_010882) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndn (NM_010882) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ndn
Synonyms:	A1528698; Peg6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204720 representing NM_010882 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGAACAAAGTAAGGACCTGAGCGACCCTAACTTTGCAGCCGAGGTCCCCGACTGTGAGATGCAGG
ACAGCGATGCCGTTCCGGTGGGGATCCCTCCTCCCGCTTCTCTGGCCGCTAACCTCGCAGGGCCACCGTG
CGCTCCCGAAGGCCCTATGGCAGCCCAACAGGCCCTCGCCACCGCCGAAGAACGGATAGAAGATGTTGAC
CCTAAAACTCTGCAGCAGGCCGAGAGGGCCGCGCCACCAGCCCCAGAGTCCAGCCCGGCCGATCC
CAGCACCGCCAGCCCCTGCCAGCTGGTGCAGAAGGCGCAGAGCTCATGTGGTACGTGTTGGTGAAGGA
CCAGAAGAGGATGGTCTCTGGTTCCAGACATGGTGAAGAGGTCATGGGCAGCTACAAGAAATGGTGC
AGAAGCATCCTCAGGCGCACCAGCGTCATCCTCGCCAGAGTGTTCCGGGCTGCACCTGAGGCTGACCAATC
TCCACACCATGGAGTTTGCCCTGGTCAAAGCCCTCAGCCCAGAGGAGCTAGACAGGGTGGCGCTCAACAA
CCGATGCCCATGACAGGCCCTCTGCTCATGATCCTGAGCCTCATCTATGTGAAGGGCCGCGGGCCAGA
GAGGGTGGGTCTGGAATGTGCTGCGCATCCTGGGGCTGAGGCCCTGGAAGAAGCACTCCACCTTCGGAG
ACGTGAGGAAGATAATCACCGAGGAGTTCGTCCAGCAGAATTACCTGAAGTACCAGCGTGTGCCCATC
CGAGCCTCCCGAGTACGAGTCTTCTGGGGTCCAGAGCTAACCGTGAATCACCAAGATGCAGATCATG
GAGTTCCTGGCCAGAGTCTTCAAGAAAGATCCCCAGGCGTGGCCTCCCGATACAGGGAGGCTCTGGAGC
AGGCCAGAGCTCTGCGGGAGGCTAATCTTGCTGCCAGGCCCCCGCAGCAGTGTCTCTGAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204720 representing NM_010882
 Red=Cloning site Green=Tags(s)

MSEQSKDLSDPNFAAEVPCDCEMQSDAVPVGIPPPASLAANLAGPPCAPEGPMAAQQASPPPEERIEDVD
 PKILQQAEEGRAHQSPARPAPAPPAPQLVQKAHELMWYVLVKDQKRMVLFWPDVMVKEVMGSYKKWC
 RSILRRTSVILARVFGHLRLTNLHTMEFALVKALSPEELDRVALNNRMPMTGLLLMILSLIYVKGRGAR
 EGAVWNVLRILGLRPWKKHSTFGDVRKIIITEEFVQQNYLKYQRPVPHIEPPEYEFFWGSRRANREITKMQIM
 EFLARVFKKDPQAWPSRYREALEQARALREANLAAQAPRSSVSED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010882

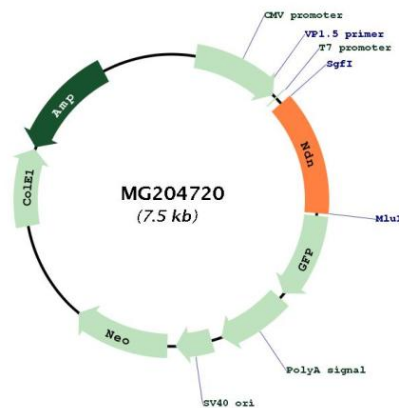
ORF Size: 975 bp

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:	<ol style="list-style-type: none"> 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_010882.3 , NP_035012.2
RefSeq Size:	1652 bp
RefSeq ORF:	978 bp
Locus ID:	17984
UniProt ID:	P25233
Cytogenetics:	7 C
Gene Summary:	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]

Product images:


Circular map for MG204720