

Product datasheet for RR211297

Ndn (NM_001008558) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ndn (NM_001008558) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ndn
 Synonyms: MGC105768
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR211297 representing NM_001008558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCGGAACAAAGTAAGGACCTGAGCGACCCTAACTTTGCCGCTGAGGACCCCGACTGAGATGCAGG
 TCAGCGATGCTGTTCCGGTGGGGTCCCTCCTCCCGCTCCTTGCCCGCGAACCTCTCAGGGCCATCGTG
 CGCTCCGGAAGGCCCTATGGCAGCCCCACAGGCCCTGCCACCACCTGCAGAACGGTTTGAAGAGGTTGAC
 CCTAAGATCCTGCAGCAGGCCGAGAAGAGGGCCGCGCCACCAGCCCCAGAGCCAGCCCGGCCGATCC
 CAGCACCGCCGGCCCTGCCAGCTGGTGAGAAGGCGCAGGACTCATGTGGTACGTGTTGGTCAAGGA
 CAGAAGAGGATGGTCTCTGGCTTCCAGACATGGTGAAGAGGTCATGGGCAGCTACAAGAAGTGGTGC
 AGAAGCATCCTCAGGCGCACCAGCGTCATCCTCGCCAGAGTTTTCGGGCTGCACCTGAGGCTGACCAATC
 TCCACACCATGGAGTTCGCCCTGGTCAAAGCACTCAGCCCAGAAGAGCTGGACAGAGTCGCGCTGAACAA
 CCGTATGCCCATGACAGGTCTCCTGCTCATGATCCTGAGTCTCATCTATGTGAAGGGCCGCGGGCCAGA
 GAGGGTGCGGTCTGGAATGTGCTGCGCATCCTGGGGCTGAGGCCCTGGAAGAAGCACTCCACCTTCGGAG
 ATGTGAGAAAGATTATCACCGAGGAGTTCGTCCAGCAGAATTACCTGAAGTACCAGCGTGTGCCCCATC
 CGAGCCTCCCGAGTACGAGTCTTCTGGGGCCCCAGAGCTAACCGTGAATCACCAGATGCAGATCATG
 GAGTTCCTGGCCAGAGTCTTTAAGAAGGATCCCCAGGCTTGGCCCTCCCGCTACAGAGAGGCTCTGGAGC
 AGGCCAGAGCTCTGCGGGAGGCTAATCTTGTGCGCCAGGCCCCCGCAGCAGTGTCTCTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211297 representing NM_001008558
Red=Cloning site Green=Tags(s)

MSEQSKDLSDPNFAAEDPDTEMQVSDAVPVGVPPPAPLAANLSPSCAPEGPM AAPQASPPPAERFEEVD
 PKILQAAEEGRAHQPSARP IPAPPAPAQLVQKAHELMWYVLVKDQKRMVLWLPDMVKEVMGSYKKWC
 RSILRRTSVILARVFGHLRLTNLHTMEFALVKALSPEELDRVALNRRMPMTGLLLMILSLIYVKGRGAR
 EGAVWNVLRILGLRPWKKHSTFGDVRKIIITEEFVQQNYLKYQRPVPHIEPPEYEFFWGPANREITKMQIM
 EFLARVFKKDPQAWPSRYREALEQARALREANLVAQAPRSSVSED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3490_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



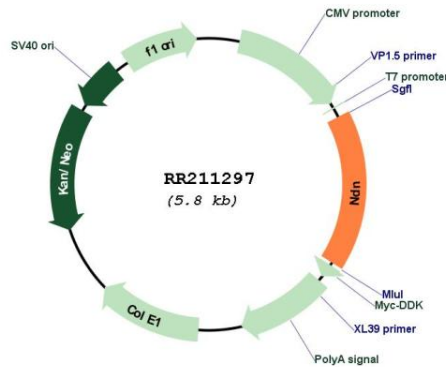
ACCN: NM_001008558

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:	<u>NM_001008558.1</u> , <u>NP_001008558.1</u>
RefSeq Size:	1634 bp
RefSeq ORF:	978 bp
Locus ID:	308690
Cytogenetics:	1q22
MW:	36.8 kDa

Product images:


Circular map for RR211297