

Product datasheet for **RN214183**

Ddn (NM_030993) Rat Untagged Clone

Product data:

| | |
|---------------------------|------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Ddn (NM_030993) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ddn |
| Synonyms: | Den |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN214183 representing NM_030993
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACATCCAGGCCAGCTACTGGGCCGTGGGCCCCAGAACCGCACGTGTAGGCTGCGCCCGGATCCC
 CTGAGCCGCCACCCCGCCGACCCTGGGCCCTCAGGGTGCAGGAGGCGACCAACTGGCGGCAGGGCC
 CCCCAGGAGGTCCGAGCCCGAGAACAGGAGAAAAAGAAAGGCGGCGTCGAGGAGCGGGAGGCCAAGGAG
 ACCGAGAGAAAAAGGCGCAAGGCTGGCGGGGCCGACGGAGTCCCTAGGTGAGCCCGCCAGAGCTCC
 GGAACGCCCTTCGGGCGGCCAACCTACAGGGTTTCCAGTTTTCTCCAGACCAGAGCGCTTCGGGACGGT
 GGGGCGAGCGCCCGACCATCCGCGCTCCCGCAGGGTGACCCAGGGGTTGCATGGCGGGGCCATGGGGA
 GGCAGAAGGCCAGGGCTCCTAGCTACGAGGCTCACCTGCTGCTGAGAGGCGCTGCAGGCACAGCCCAA
 GACGCCGCTGGGACCGGCCACCCTACGTGGCTCCACCTTCTATGAAGGTCCCACAGGACCCTGGG
 GACTAAGCGAGGCCGGAGCTCTCCCGGGCGCCACCTCATCAGCCCCAGTGCCAGCTACCACCAGGACA
 GAGGGAGGGCGCACGAAGAAGAGGCTGGATCCTCGAATCTACCGGATGTTCTAGGAGCTTGGGGTCTCA
 GACAGGGACGGGACTCTTAGGAGGAGCTCCAGGCTGTGCAGCAGCCAGAGCTAGGCCAGAGTCTTGCAA
 AGGGGCTGTAGAGAAAAGTTCAGGCCTAGCTGCTGCTGGCCTAAACAGTGGTGGTGATGGTCATTCCCAA
 GCCAAACTACTGGTCCAGTCACGGAGGTGCTCTCTCTGGGTCCACGATCAGTAGCCACCACGTCCTG
 TTCCCAGGTCTAGGCAGCACCTCAGGGGATCAAGGAAAGGAAAGAAAGGAAGTGAAGGAGATGTGGCTTCC
 CACGTGTTGGCTTTCCTCCCTAAAAAGCCTCCAGTTAGGCATAGCCAGACCCTCCCAGACCCTGGGCT
 CCTGGAGGCACCGGTGGAAGAGTCCCTGGGTCAAAGAGAGGGGACAGAGCATGAGACCCTGGAAGTCT
 GGAAGGTGACCCGCCGTCACACCCTGCCCCGAGTCCCAGGTCGCGTGGTGAAGGAGGAGGAGGATCTT
 TGTCAATTGATGCCACATGCGTGGTGATAAAGTCCAGTACGTTCCAACCCCTCGAACCCAGCAGAGGCAG
 CTCGCGCCCTCTGGGAGTCATGCATCGTGAGCGACAGCCTCAGGCAACCCAAACCCTGCCTTGAGGAGG
 AGGGCAAAGGGCCGCTGCCAACCTTCAGTTTGCCAAAAGCGACTGTTGAGCAGTCGAGTCTTAAACCC
 ACCGAGTGAGGGTCGCGAGTTCGAGGCTGAGGGCAGACAGCAGGGGGATTCTTATTGGAGGAGCGCTCC
 TCCAGCGGTTTGGGGTCCCTGTGCGGAAAGTGAACCCGCGAGATGCCCCACGCATCCAGGTAGCCAG
 AGCACTCGACCTTAGGCCAGCGCTCCGGGATGCGCGGCAGCGTGAAGGGCCAGAAGCAGCTGGGGT
 CCCGCGGCGCGGGCGGGGCTGGGCGGGACTCCAGGGCCCTACGCCGAGCCTTGCGGGAAGCCGTG
 TCCCGCATCCGCCCCACACCGCCCAGATTCCGACTCAGACGAAGCCGAGGATCTCAGCGCCCATAGTG
 GCTCCTCTGATGGAAGCGACACAGACGCCCCAGGCGCCTCTGGCGGAATGAGAGGACCCTGCCTGCGGT
 TGGGAACACCCGCCAGGGAAGGCGGGAAGACAGCTGAGCTGGGCGACAGTATCGGGGAGATTCTAGAT
 GTCATCAGTCAAACCGAGGAAGGCCTCGTCCGAGAGGACACCAGGAAAACGCCACAGGGAAGAGAGAGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_030993
- Insert Size:** 1962 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_030993.1](#), [NP_112255.1](#)

RefSeq Size: 3582 bp

RefSeq ORF: 1962 bp

Locus ID: 25113

UniProt ID: [P50617](#)

Cytogenetics: 7q36

Gene Summary: homologous to human DDN and mouse LOC328602; expression may be modulated by sleep deprivation in the forebrain [RGD, Feb 2006]