

## Product datasheet for **RR201664**

### **Dnm2 (NM\_013199) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dnm2 (NM_013199) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnm2
Synonyms:	DYIIAAB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR201664 representing NM\_013199  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAACCGGGGATGGAAGAGCTCATCCCGCTGGTTAAACAAGCTGCAGGACGCCTTCAGCTCCATCG  
 GTCAGAGCTGCCACCTGGACCTGCCGACAGATCGCCGTTGGTGGGCGCCAGAGCGCCGCAAGAGTTCGGT  
 GCTCGAGAACTTCGTGGGCCGGGACTTCCTTCCACGAGGATCAGGAATTGTCACCCGGAGGCCTCTCATT  
 CTGCAGCTCATCTTTCCAAAACAGAATATGCGGAGTTTTTGCAGTCAAGTCCAAAAAGTTTACAGACT  
 TTGATGAAGTCCGGCAGGAGATCGAAGCAGAGACTGACCGGGTACAGGCACCAACAAAGGCATCTCCCC  
 GGTGCCCATCAACCTTCGGTCTATTACCACACGTGTTGAACTTGACCCTCATCGACTCCAGGCATC  
 ACTAAGGTGCCAGTTGGGACCAGCCACCAGACATCGAGTACCAGATCAAGGACATGATCCTGCAGTTTA  
 TCAGCCGGGAGAGCAGCCTCATTCTTCCGTACACCTGCCAACATGGACTTGGCCAACTCGGATGCCCT  
 CAAGCTGGCCAAGGAGGTGGACCCCAAGGCTTGGGACCATTGGTGTATCACCAGCTAGACCTGATG  
 GATGAAGGCACAGATGCCAGGGATGTCTGGAGAACAGCTCCTGCCCTTGAGAAGAGGCTACATCGGGC  
 TGGTTAACCGCAGCCAGAAAGACATCGAGGGCAGAAAGGACATCCGGGCAGCTCTGGCAGCTGAGAGGAA  
 ATTCTTCTCTCCACCCAGCCTACCGGCACATGGCTGACCGCATGGGTACCCACACTTGCAAAAAACA  
 CTGAACCAGCAACTGACCAACCACATCCGGGAGTCACTGCCAACCTGCGCAGCAAGCTGCAGAGCCAAC  
 TGCTGTCCCTGGAGAAGGAAGTGAAGAGTACAAGAATTTCCGGCCTGACGACCCACACGAAGACCAA  
 AGCCCTGCTGCAGATGGTCCAGCAGTTTGGAGTGGACTTGGAGAAGCAATCGAAGGCTCTGGAGATCAA  
 ATCGACACCCTGGAGCTGTCTGGGGCGCCCGCATCAATCGCATCTTCCACGAGCGCTTCCCTTTGAGC  
 TGGTGAAGATGGAGTTTACGAGAAAGACCTCCGAAGAGAGATCAGCTACGCCATTAAGAACATCCACGG  
 AGTCAGAACTGGGCTCTTACGCGGATTGGCGTTTCAGGGCATTGTGAAAAAGCAGGTGGTCAAGCTG  
 AAAGAGCCCTGTCTGAAATGCGTGGACCTGGTTATCCAGGAGCTAATCAGTACAGTTAGGCAATGCACCA  
 GCAAGCTCAGTTCCTACCCCGCCTTCGAGAGGAGACCGAACGCATTGTCAACACCTACATCAGGGAGCG  
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 GAAGACTTCATTGGATTTGCCAATGCCAGCAGAGGAGCAGCAGCTGAACAAGAAGAGGGCCATACCTA  
 ACCAGGGGAGATCTTGGTGATCCGACGGGCTGGTTGACCATCAACAACATCAGCTTGATGAAAGGCGG  
 TTCCAAGGAGTACTGGTTCGTGCTGACTGCTGAGTCGTTGTCTTGGTACAAGGATGAAGAGGAAAAAGAA  
 AAGAAGTACATGTGCCACTAGACAACCTCAAAATACGGGATGTGGAGAAGGGCTTCATGTCCAACAAGC  
 ATGTGTTTGCCATCTTCAACACAGAGCAGAGGAACGTCTACAAGGACCTGCGACAGATCGAACTGGCTTG  
 TGACTCCAGGAAGATGTGGACAGCTGGAAGGCTTCGTTCTGCGAGCTGGGGTCTACCCAGAGAAGGAC  
 CAGGCAGAGAACGAGGATGGAGCACAAGAGAACACCTTCTCCATGGACCCGACAGTGGAGCGGCAGGTGG  
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 GACCATCATGCACCTCATGATCAACAACACAAAGGCTTCATCCACCATGAGCTGCTAGCCTACCTGTAC  
 TCATCAGCAGACCAGAGCAGCCTCATGGAGGAGTCACTGAGCAGGCTCAGCGGGGGACGATATGCTGC  
 GCATGTACCATGCACTCAAGGAAGCGCTCAACATCATTGGGACATCAGCACCAGCACCGTGTCCACGCC  
 TGTGCCCCACCTGTGATGATACTTGGCTCCAGAACACCAGCAGCCACAGCCCCACTCCACAGCGCAGA  
 CCTGTGTCCAGTGTGACCCCGGGCCGCCACCCGAGTGGGGGCCACACCGGGGCTCCCTCA  
 TTCTATGCCTGTGGGGCCACATCCTCCTTCTCGGCACCCCATCCATCCCGCCTGGACCACAGAA  
 TGTGTTTGCCAACAATGACCCCTTCTGCGCCACCTCAGATACCGTCTCGGCCAGCAGGATCCCCCT  
 GGGATCCCTCCAGGAGTCCCGAGCAGAAGAGCGCCGCTGCGCCAGCCGGCCACCATTATCCGCCAG  
 CCGAGCCGTCCTGCTCGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201664 representing NM\_013199  
 Red=Cloning site Green=Tags(s)

MGNRGMEELIPLVNLQDAFSSIGQSCHLDLPQIAVVGGSAGKSSVLENFVGRDFLPRGSGIVTRRPLI  
 LQLIFSKTEYAEFLHCKSKKFTDFDEVQRQIEAETDRVTGNTKGI SPVPINLRVYSPHVLNLTIDLPGI  
 TKVPVGDQPPDIEYQIKDMILQFISRESSLILAVTPANMDLANSALKLAKEVDPQGLRTIGVITKLDLM  
 DEGTDARDVLENKLLPLRRGYIGVVNRSQKDI EGRKDIRAALAAERKFFLSHPAYRHMADRMGTPHLQKT  
 LNQQLTNHIRESLPTLRSKLQSLLSLEKEVEEYKNFRPDDPTRKTKALLQMVQQFGVDFEKRIEGSGDQ  
 VDTLELSGGARINRIFHERFPFELVKMEFDEKDLRREISYAIKNIHGVRTGLFTPDLAFAEIVKKQVVKL  
 KEPCLKCVDLVIQELISTVRQCTSKLSSYPRLREETERIVTTYIREREGRTKDQILLIDIEQSYINTNH  
 EDFIGFANAQRSTQLNKKRAIPNQGEILVIRRGWLTINNI SLMKGSKEYWVFLTAESLSWKDEEEKE  
 KKYMLPLDNLKIRDVEKGFMSNKHVFAIFNTEQRNVYKDLRQIELACDSQEDVDSWKASFLRAGVYPEKD  
 QAENEDGAQENTFSMDPQLERQVETIRNLVDSYVAIINKSIRDLMPKTIMHLMINNTKAFIHELLAYLY  
 SSADQSSLMEESAQAQRDDMLRMYHALKEALNIIGDISTSTVSTPVPVDDTWLQNTSSHSPTPQRR  
 PVSSVHPPGRPPAVRGPTPGPPLIPMPVGATSSF SAPPISRPGPQNVFANNDPF SAPPQIPSRPARIPP  
 GIPPGVPSRRAPAAPSRPTIIRPAEPLLD

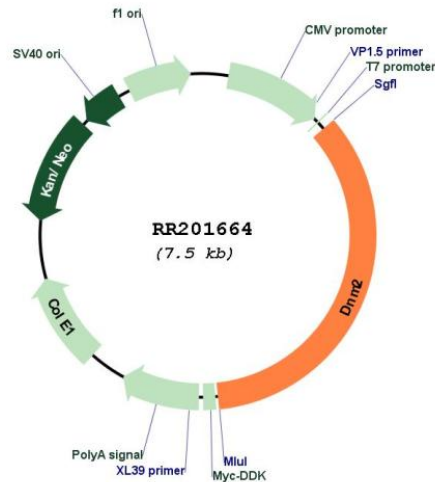
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_013199

**ORF Size:** 2610 bp

**OTI Disclaimer:** 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:**

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\\_013199.1](#), [NP\\_037331.1](#)

**RefSeq Size:** 3463 bp

**RefSeq ORF:** 2613 bp

**Locus ID:** 25751

**UniProt ID:** [P39052](#)

**Cytogenetics:** 8q13

**MW:** 98.2 kDa

**Gene Summary:** involved in the formation of clathrin-coated vesicles; plays a role in receptor mediated endocytosis including endocytosis of AT1A angiotensin receptors [RGD, Feb 2006]