

## Product datasheet for RN200671

### Dnmt1 (NM\_053354) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dnmt1 (NM_053354) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnmt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200671 representing NM_053354 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGCACGAACAGCTCCAGCCCGAGTGCCTGCACTTGCCTCCCCGGCAGGCTCGCTCCCCGACCATG  
TCCGCAGGCGGCTCAAAGACTTGGAAAGAGATGGCTTAACAGAAAAGGAGTGTGTGAAAGAGAAATTGAA  
CTTACTGCATGAATTCCTGCAAACAGAAATAAAAAGCCAGCTATGCGACTTGGAAACAACTACATAAA  
GAGGAATTGTCTGAGGAAGGCTACCTGGCTAAAGTCAAGACCCTTCTAAATAAGGATTTGTGCCTGGAGA  
ACGGAACACTCTCTCACTCAGAAAGCCAACGGTTGCTCCTGCCAACGGGAGTCGGCCAACCTGGAAGC  
AGAAATGGCAGACTCAAACCGATCCCCAAGATCCAGGCCAAGCCTCGGGGACCCAGGAGGAGCAAGTCG  
GACAGTGAGACCATGATTGAAGTTCATCTAGTTCGGTGGCTACGAGGAGAACCACCAGGAGACCA  
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GCCGGAGAGTCTGTGGAGAAACCTGAACGAGTAAGGCCAGGAACCCAGCTGTGTCAGGAAGCAAGGTG  
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CCCAGACAGAGAAGCAAGGCCAGGAACCTCACTTGGATGTGGACGATGACGATGAAAAGGACAAAAGAAGT  
TCCAGGCCCAGAAGCCAGCCAGAGATCTAGCCACCAAACGGAGACCCAAAGGAAGAAGTAGAGCAGATCA  
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GCCGGAACCACTCAGCATTCCCCTACAGAGCAGAGTGGAGAGAAAAGCCTCTCAGGGCAAAGCAAGTGCA  
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AGCAGCACCCCTGTGGATGCTGTGGATGAACCCAGATGCTGACCAATGAGGCACTGTCCGTCTTTGACTC  
CAACTCGTCTTGGTTTGAGACCTATGATTCCTCTCCCATGCATAAGTTCACTTTCTTCAGTGTGATTGC  
AGTCGGGTCACTTGTCTCTGTGCACTGGTCTCATTGAGAAGAAGCTGAACTCACTTTCTTGGTG  
TTGCCAAAGCAATTCATGAAGAAAATCCGCTCTGTGGAAGGTGGTGTAAATGGCAAGAACCTGGGGCCAAT  
CAATCAGTGGTGGATCAGTGGCTTTGACGGTGGCAGAGAAGGCGCTCATTGGCTTTTCTACCGCATTGCT  
GAATACTTTCTGATGGAGCCAGCCAGAGTATGCACCAATATTTGGGCTGATGCAGGAGAAAATTTACA  
TCAGCAAGATTGTGGTCGAGTCTTGCAGAGCAATCCTGACGCTGTCTATGAAGACTTGATCAATAAGAT  
CGAGACCACTGTTCTCTCTGCCATCAATGTGAACCGGTTACCGAGGACTCCCTCTACGCCATGCC



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CAGTTTGTGGTGAAGCAGGTAGAAAAGTTACGACGACGCTAAGGACGATGATGAGACGCCCATCTTCTTGT  
 CTCCTGTATGAGGTCCCTGATCCATTTGGCTGGTGTCTCGCTGGGACAGAGGCGAGCAACAAGGCGCAC  
 GGTCAATCTGCAAAGTGAAGCGCAAGGGGCCACAAAAGCCACCACCACCAAGCTGGTCTATCAG  
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 TAAAAGCTTTGAAGACCCTCCGAACCATGCCCGCAGCCCTGGGAACAAAGGCAAAGGAAAGGGAAAGGG  
 AAAGGGAAGGAAAACCTCAGGTATCAGAGCCAAAGAGCCGAGGCAGCCATCAAAGTGCCTAAGCTGC  
 GGACCCTGGATGTGTTTTCTGGCTGTGGAGGATTAACAGAAGGATTCCACCAAGCAGGCATCTCGGAGAC  
 GCTGTGGGCCATCGAGATGTGGGAACCAGCAGCCAGGCATTTCCGGTGAACAACCTGGCACCACGGTG  
 TTCACAGAGGACTGCAACGTGCTTCTCAAGCTGGTCAAGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
 GGCTGCCACAGAAGGGCGATGTGGAGATGCTGTGTGGTGGGCCGCCCTGCCAGGGCTTCAGTGGCATGAA  
 CCGTTTTAACTCTCGTACTTACTCCAAGTTCAAAACTCCCTCGTGGTCTCCTTCTCAGCTACTGTGAC  
 TACTACCGGCCTCGGTTCTTCTTGGAGAATGTCAGGAACTTCGTGTCCTTCAGGCGCTCCATGGTGC  
 TGAAGCTCACACTGCGCTGCCTGGTCCGATGGGCTACCAGTGCACCTTCGGTGTCTCCAGGCTGGACA  
 GTATGGTGTGGCCAGACACGAAGGAGGGCCATCATCTTGGCTGCAGCCCTGGAGAGAAGCTGCCTCTG  
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 TCGTTAGCAACATTACAAGGCTAAGCTCGGGTCCCTTCCGAACCATCACGGTGGGAGATACCATGTCTGA  
 CCTCCCTGAGATCCAGAATGGAGCCTCAGCCCCGAGATCTCCTACAATGGAGAGCCACAGTCTGGTTC  
 CAGAGGCAGCTGCGAGGGTGCCTACCAGCCATCCTCAGGGACCATATCTGCAAGGACATGAGCGCGC  
 TGGTGGCTGCCGATGCGGCACATCCCCTGTCCCAGGATCGGATTGGCGTACCTGCCAACATACA  
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 AGCAGCACCGGGGCCCTGCGTGGGGTCTGCTCCTGTGCGGAAGGCAAGACCTGCGACCCTGCTTCCAGAC  
 AATTCAACACGCTCATCCCCTGGTGCCTGCCGCACACTGGGAACCGGCACAACCACTGGGCTGGCCTCTA  
 CGGGCTCTGGAGTGGGATGGCTTCTTCAAGTACCACCGTACCAACCCTGAGCCATGGGCAAGCAAGGC  
 CGGGTGTCCATCCCAGCAGCACCAGGCTGTGAGTGTGCGGGAATGTGCTCGCTCCCAAGGCTTTCCAG  
 ATACCTACCGTTATTCCGCAACATCCTGGACAGACACCGGCAGGTGGGGAACGCTGTGCCACCACCACT  
 GGCCAAAGCCATCGCCTGGAGATTAAGCTCTGTCTGCTGGCCAGCGCTCAGGAGAGTGCCTCAGCTGCA  
 GTTAAAGGAAAGGAGGAGACTACTACCGAGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_053354

<b>Insert Size:</b>	4866 bp
<b>OTI Disclaimer:</b>	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).
<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>RefSeq:</b>	<a href="#">NM_053354.3</a> , <a href="#">NP_445806.3</a>
<b>RefSeq Size:</b>	5917 bp
<b>RefSeq ORF:</b>	4866 bp
<b>Locus ID:</b>	84350
<b>Cytogenetics:</b>	8q13
<b>Gene Summary:</b>	methylates genomic DNA; involved in processes of gene inactivation, chromatin organization, X chromosome inactivation and genomic imprinting [RGD, Feb 2006]