

Product datasheet for **RN200036**

Dnmt3a (NM_001003957) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnmt3a (NM_001003957) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnmt3a
Synonyms:	MGC109195
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200036 representing NM_001003957
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGCTGTGGAGAAAGCCAGGCTCTGGGAGTCCCAGAAGGTGGAGGAGCCAGCCCTCTGCAG
 TGCAGCAGCCACGGACCCTGCATCTCCACTGTGGCCACCACCCTGAGCCAGTAGGGGCTGATGCTGG
 GGACAAGAATGCTACCAAGGCAGCTGATGACGAGCCGAGTATGAGGATGGCCGGGGCTTTGGCATTGGA
 GAGCTGGTGTGGGGAAACTCCGGGCTTCTCCTGGTGGCCAGGCCGAATTGTGTCTTGGTGGATGACAG
 GCCGGAGCCGAGCAGCCGAAGGCACTCGCTGGGTGATGTGGTTCGGAGATGGCAAATTCAGTGGTGTG
 TGTGAGAAGCTCATGCCCTGAGCTCCTTCTGCAGTGCCTCCACCAGGCCACCTACAACAAGCAGCCC
 ATGTACCCGAAAGCCATCTACGAAGTCTCCAGGTGGCCAGCAGCCGTGCAGGGAAGCTGTTCCAGCAT
 GTCATGACAGCGATGAAAGTGACTGGCAAGGCTGTGGAGTGCAGAACAAGCAGATGATTGAGTGGGC
 CCTTGGCGGCTTCCAGCCCTCTGGTCCAAAGGCTGGAGCCACCAGAAGAGGAGAAGAATCCTTACAAG
 GAAGTTTACACCGACATGTGGGTGGAGCCTGAGGCAGCTGCTTATGCCCCACCCACCAGCCAAGAAAC
 CCAGAAAGAGCACAACAGAGAAACCCAAGTCAAGGAGATCATTGATGAACGCACAAGAGAACGGCTCGT
 GTATGAGGTGCGCCAGAAGTGCCGAAACATCGAGGACATTTGTATCTCATGTGGGAGCCTCAATGTTACC
 CTGGAGACCCACTCTTCATTGGTGGAAATGTGCCAGAAGTGAAGAAGTCTTCTTGGAGTGTGCTTACC
 AATACGATGACGATGGGTACCAGTCTACTGTACCATCTGCTGTGGGGGGCGGAAGTGCATGTGTGG
 GAACAACAAGTGTGCAGGTGCTTTTGTGTGGAGTGTGTGGATCTTGGTGGGGCCAGGGGCTGCCAA
 GCAGCCATTAAGGAAGACCCCTGGAAGTGTACATGTGTGGGCACAAGGGCACGATGGGCTGCTGCGGA
 GACGGGAGGACTGGCCTTCTCGACTCCAGATGTTCTTCGCAATAACCACGACCAGGAATTTGACCCCC
 GAAGTTTACCCACCTGTGCCAGCTGAGAAGAGGAAGCCCATCCGGGTGCTATCTCTCTTTGATGGGATT
 GCTACAGGGCTCCTGGTGTGAAGGACCTGGGCATCCAAGTGGACCCTACATCGCTCCGAGGTGTGCG
 AGGACTCCATCACAGTGGGCATGGTGGCCAGGAAAGATCATGTACGTGCGGGACGTCCGCAGCGT
 CACACAGAAGCATATCCAGGAGTGGGGCCATTCGATCTGGTATTGGGGCAGTCCCTGCAATGACCTC
 TCCATCGTCAACCCTGCCCGAAGGGACTTTACGAGGGCACGGGCCGCTCTTCTTTGAGTTCTACCGCC
 TCCTGCATGACGCGGCCCAAGGAGGAGATGATCGCCCTTCTTGGCTTTTGAAGTGTGGTGGC
 CATGGCGTTAGTGACAAGAGGGACATCTCGAGATTTCTTGAAGTCTAACCCCGTATGATGACGCCAAA
 GAAGTGTCTGCTGCACACAGGGCCGTTATTTCTGGGTAACTTCTTGGCATGAACAGGCCATTGGCAT
 CCACTGTGAATGATAAGCTGGAGTTGCAAGAGTGTCTGGAACACGGCAGAATAGCCAAGTTCAGCAAAGT
 GAGGACATTACCACCAGGTCAAATCCATAAAGCAGGGCAAAGACCAGCATTTCCTGTCTTATGAAT
 GAGAAGGAAGACATCCTCTGGTGCAGTAAATGGAAAGGGTGTGGCTTCCCTGTCCACTACACAGACG
 TCTCCAACATGAGCCGCTTGGCGAGGCAGAGACTGCTGGGCCGATCGTGGAGCGTGCCAGTCATCCGCCA
 CCTCTTCGCTCCGCTGAAGGAATATTTGCTTGTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001003957

Insert Size: 2070 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:	<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_001003957.1</u> , <u>NP_001003957.1</u>
RefSeq Size:	3491 bp
RefSeq ORF:	2070 bp
Locus ID:	444984
UniProt ID:	<u>Q1LZ53</u>
Cytogenetics:	6q14
Gene Summary:	member of a family of DNA methyltransferases [RGD, Feb 2006]