

Product datasheet for **RN200037**

Dnmt3a (NM_001003958) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnmt3a (NM_001003958) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dnmt3a
Synonyms:	MGC109195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200037 representing NM_001003958
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTCCAGCGCCCCGGGGACACCAGCATCTCTCTCTGGAGCGGGAGGATGATCGAAAGGAAGGAG
 AGGAACAGGAGGAGAACCGTGGTAAGGAAGAGCGTCAGGAGCCCAGCGCCACGGCCCCGAAAAGTGGGGAG
 GCCTGGCCGGAAGCGCAAGCACCCACCGGTGGAAGCAGTGACACCCCAAGGACCCAGCGGTGACCACC
 AAGTCTCAGCCCACAGCCAGGACTCTGGGCCCTCAGATCTGCTACCCAATGGAGACTTGGAGAAGCGGA
 GTGAACCCCAACCTGAGGAGGGGAGCCAGCTGCAGGGCAGAAGGGTGGGGCCCCAGCTGAAGGAGAGGG
 AACTGAGACCCACCAGAAGCCTCCAGAGCAGTGGAGAATGGCTGCTGCGTAACCAAGGAAGGCCGTGGA
 GCCTCTGCGGGAGAGGGCAAAGAACAGAAGCAGACCAACATCGAATCCATGAAAATGGAGGGCTCCCGGG
 GCCGACTGCGTGGTGGCTTGGGGTGGGAGTCCAGCCTCCGTGAGCGGCCCATGCCAAGACTCACCTTCCA
 GGCAGGGGACCCCTACTACATCAGCAAACGGAAGCGGGATGAGTGGCTGGCACGTTGAAAAGGGAGGCT
 GAGAAGAAAGCCAAGGTGATTGCAGTAATGAATGCTGTGGAGGAAAGCCAGGCCTCTGGGGAGTCCAGAG
 AGGTGGAGGAGGCCAGCCCTCCTGCAGTGCAGCAGCCACGGACCTGCATCTCCCACTGTGGCCACCAC
 CCCTGAGCCAGTAGGGGCTGATGCTGGGGACAAGAATGCTACCAAGGCAGCTGATGACGAGCCCGAGTAT
 GAGGATGGCCGGGGCTTTGGCATTGGAGAGCTGGTGTGGGGGAAACTCCGGGGCTTCTCCTGGTGGCCAG
 GCCGAATTGTGTCTTGGTGGATGACAGGCCGGAGCCGAGCAGCCGAAGGCACTCGCTGGGTGATGTGGTT
 CGGAGATGGCAAATCTCAGTGGTGTGTGTCGAGAAGCTCATGCCCTGAGCTCCTTCTGCAGTGCCTTC
 CACCAGGCCACCTACAACAAGCAGCCCATGTACCGCAAAGCCATCTACGAAGTCTCCAGGTGGCCAGCA
 GCCGTGCAGGGAAGCTGTTCCAGCATGTGATGACAGCGATGAAAGTGACACTGGCAAGGCTGTGGAGT
 GCAGAACAAGCAGATGATTGAGTGGGCCCTTGGCGGCTTCCAGCCCTCTGGTCCCAAAGGCCTGGAGCCA
 CCAGAAGAGGAGAAGAATCCTTACAAGGAAGTTTACACCGACATGTGGGTGGAGCCTGAGGCAGCTGCTT
 ATGCCCCACCCACCAGCCAAGAAACCCAGAAAGAGCACAACAGAGAAACCCAAAGTCAAGGAGATCAT
 TGATGAACGCACAAGAGAACGGCTCGTGTATGAGGTGCGCCAGAAGTGCCGAAACATCGAGGACATTTGT
 ATCTCATGTGGGAGCCTCAATGTTACCCTGGAGCACCCACTCTTCATTGGTGAATGTGCCAGAACTGTA
 AGAACTGCTTCTTGGAGTGTGCTTACCAATACGATGACGATGGGTACCAGTCTACTGTACCATCTGCTG
 TGGGGGGCGGAAGTGTCTATGTGTGGGAACAACAAGTGTGACAGGTGCTTTTGTGTGGAGTGTGGAT
 CTCTTGGTGGGGCCAGGGGCTGCCAAGCAGCCATTAAGGAAGACCCCTGGAAGTGTACATGTGTGGGC
 ACAAGGGCACGTATGGGCTGCTGCGGAGACGGGAGGACTGGCCTTCTCGACTCCAGATGTTCTTCGCCAA
 TAACCACGACCAGGAATTTGACCCCCGAAGGTTTACCCACCTGTGCCAGCTGAGAAGAGGAAGCCCATC
 CGGGTGTATCTCTTTGATGGGATTGCTACAGGGCTCCTGGTGTGAAGGACCTGGGCATCCAAGTGG
 ACCGCTACATCGCTCCGAGGTGTGCGAGGACTCCATCACAGTGGGCATGGTGGCGCACCAGGGAAGAT
 CATGTACGTGGGGACGTCCGACGCTCACACAGAAGCATATCCAGGAGTGGGGCCCATTCGATCTGGTG
 ATTGGGGCAGTCCCTGCAATGACCTCTCCATCGTCAACCCTGCCGCAAGGGACTTTACGAGGGCACGG
 GCCGCTCTTCTTTGAGTCTACCGCTCCTGCATGACGCGCGGCCCAAGGAGGGAGATGATCGCCCTT
 CTCTGGCTTTTGGAAATGTGGTGGCCATGGGCGTTAGTGACAAGAGGGACATCTCGAGATTTCTTGAG
 TCTAACCCCGTGATGATCGACGCCAAAGAAGTGTCTGCTGCACACAGGGCCCGTTATTTCTGGGGTAACC
 TTCTGGCATGAACAGGCCATTGGCATCCACTGTGAATGATAAGCTGGAGTTGCAAGAGTGTCTGGAACA
 CGGCAGAAATAGCCAAGTTCAGCAAAGTGGAGACCATTACCACAGGTCAAACCTCCATAAAGCAGGGCAAA
 GACCAGCATTTCCCTGTCTTATGAATGAGAAGGAAGACATCCTCTGGTGCAGTAAATGGAAAGGGTGT
 TTGGCTTCCCTGTCCACTACACAGAGCTCTCAACATGAGCCGCTTGGCGAGGCAGAGACTGCTGGGCC
 ATCGTGGAGCGTGCCAGTATCCGCCACCTCTTCGCTCCGCTGAAGGAATATTTTGTGTGTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1644_b02.zip

Restriction Sites: SgfI-MluI

ACCN:	NM_001003958
Insert Size:	2727 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_001003958.1</u> , <u>NP_001003958.1</u>
RefSeq Size:	4173 bp
RefSeq ORF:	2727 bp
Locus ID:	444984
UniProt ID:	<u>Q1LZ53</u>
Cytogenetics:	6q14
Gene Summary:	member of a family of DNA methyltransferases [RGD, Feb 2006]