

Product datasheet for **MC204814**

Dnmt3l (NM_001081695) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnmt3l (NM_001081695) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnmt3l
Synonyms:	D6Ertd14; D6Ertd14e; ecat; ecat7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC083147

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AAGAGGTAATCCGAACGGGCACACCCTCCTCTCAACCTCTCTGGTCGCGTTTTAGGGTTCTGACGACCCCT
GCTGTCACACCCGCCATCCCTTGGACGCAGACCCTTCTAGCCGATTACATCAATGGGTTCCCGGGAGACA
CCTTCTTCTTGCTCTAAGACCCTTGAAACCTTGGACCTGGAGACTTCCGACAGCTCTAGCCCTGATGCTG
ACAGTCTCTGGAAGAGCAATGGCTGAAATCCTCCCCAGCCCTGAAGGAGGACAGTGTGGATGTGGTACT
GGAAGACTGCAAAGAGCCTCTGTCCCCCTCTCGCCTCCGACAGGCAGAGAGATGATCAGGTACGAAGTC
AAAGTGAACCGACGGAGCATTGAAGACATCTGCCTCTGCTGTGGAACCTCCAGGTGTACTACTCGGCACC
CCTTGTGGAGGGAGGGTTATGTGCCCCATGTAAGGATAAGTTCCCTGGAGTCCCTCTTCTGTATGATGA
TGATGGACACCAGAGTTACTGCACCATCTGCTGTTCCGGGGTACCCTGTTTCATCTGTGAGAGCCCCGAC
TGTACCAGATGCTACTGTTTCGAGTGTGTGGACATCCTGGTGGGCCCCGGGACCTCAGAGAGGATCAATG
CCATGGCCTGCTGGGTTTCTTCTGTGCCTGCCCTTCTCACGGAGTGGACTGCTGCAGAGCGCAAGAG
GTGGCGGCACCAGCTGAAGGCCTTCCATGATCAAGAGGGAGCGGGCCCTATGGAGATATACAAGACAGTG
TCTGCATGGAAGAGACAGCCAGTCCGGGTACTGAGCCTTTTTAGAAATATTGATAAAGTACTAAAGAGTT
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TCTTGTGATCGCTGTCCCGGCTGGTACATGTTCCAGTTCACCGGATCCTGCAGTATGCGCTGCCTCGCC
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TGGTTTGTCTTTCAGGCCTTCGGGTTTCTCTCTGTTTATTGCCAGGATGCCTCTGTGCAGCTCACTTTG
CGGGGTGGGAGGTGCCTACGGCTCTGCACAAGTCCCGGTGGGATAACCTGCCATGTTTCTCTGAAACTG
TGTGTACCTGTTGTGAAGTTTTTCAAATATATCATAGGATTGTTAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI



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ACCN:	NM_001081695
Insert Size:	1266 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:	BC083147 , AAH83147
RefSeq Size:	1672 bp
RefSeq ORF:	1266 bp
Locus ID:	54427
UniProt ID:	Q9CWR8
Cytogenetics:	10 39.72 cM
Gene Summary:	<p>CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a nuclear protein that is a catalytically inactive regulatory factor of DNA methyltransferases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) is expressed in ovary (PMID: 17060371). It differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same isoform 1.</p>