

Product datasheet for **MG206697**

Dnmt3l (NM_019448) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnmt3l (NM_019448) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnmt3l
Synonyms:	D6Ertd14; D6Ertd14e; ecat; ecat7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206697 representing NM_019448 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTCCCGGAGACACCTTCTTCTTCTGCTCTAAGACCCTTGAACCTTGGACCTGGAGACTTCCGACA
GCTCTAGCCCTGATGCTGACAGTCTCTGGAAGAGCAATGGCTGAAATCTCCCCAGCCCTGAAGGAGGA
CAGTGTGGATGTGGTACTGGAAGACTGCAAGAGCCTCTGTCCCCCTCTCGCTCCGACAGGCAGAGAG
ATGATCAGGTACGAAGTCAAAGTGAACCGACGGAGCATTGAAGACATCTGCCTCTGCTGTGGAACCTCC
AGGTGTACTACTCGCACCCCTTGTGGAGGGGTTATGTGCCCATGTAAGGATAAGTTCCTGGAGTC
CCTCTTCTGTATGATGATGATGGACACCAGAGTTACTGCACCATCTGCTGTTCCGGGGTACCCTGTT
ATCTGTGAGAGCCCCGACTGTACCAGATGCTACTGTTTCGAGTGTGTGGACATCCTGGTGGGCCCGGGA
CCTCAGAGAGGATCAATGCCATGGCCTGCTGGGTTTGCTTCTGTGCCTGCCCTTCTCACGGAGTGGACT
GCTGCAGAGGGCGAAGAGGTGGCGGCACCAGCTGAAGGCCTTCCATGATCAAGAGGGAGCGGGCCCTATG
GAGATATAACAAGACAGTGTCTGCATGGAAGAGACAGCCAGTGGGGTACTGAGCCTTTTAAAGAAATTTG
ATAAAGTACTAAAGATTTGGGCTTTTGGAAAGCGGTTCTGGTTCTGGGGGAGGAACGCTGAAGTACGT
GGAAGATGTCACAAATGTCGTGAGGAGAGACGTGGAGAAATGGGGCCCTTTGACCTGGTGTACGGCTCG
ACGCAGCCCTAGGCAGCTTTGTGATCGCTGTCCCGCTGGTACATGTTCCAGTTCACCGGATCCTCG
AGTATGCGCTGCCTCGCCAGGAGAGTACGCGGCCCTTCTTGGATATTGATGGACAATCTGCTGCTGAC
TGAGGATGACCAAGAGACAACCTACCCGTTCTTCCAGACAGAGGCTGTGACCCTCCAGGATGTCCTGGC
AGAGACTACCAGAATGCTATGCGGGTGTGGAGCAACATTCAGGGCTGAAGAGCAAGCATGCGCCCTGA
CCCCAAAGGAAGAAGATCTGCAAGCCCAAGTCAGAAGCAGGAGCAAGCTGGACGCCCGAAAGTTGA
CCTCTGGTGAAGAACTGCCTTCTCCCGCTGAGAGAGTACTTCAAGTATTTTTCCAAAACCTCACTTCT
CTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206697 representing NM_019448
 Red=Cloning site Green=Tags(s)

MGSRETPSSCSKTLETLDLETSDDSSPDADSPLEEQWLKSSPALKEDSVDVVLEDCKEPLSPSSPPTGRE
 MIRYEVKNRRSIEDICCCGTLQVYTRHPLFEGGLCAPCKDKFLESFLYDDDGHQSYCTICCSGGTLF
 ICESPDTRCYCFECVDILVGPSTSERINAMACWVCFCLPF SRSGLLQRRKRWRHQLKAFHDQEGAGPM
 EIYKTVSAWKRPVVRVLSLFRNIDKVLKSLGFLESGSGSGGGTLKYVEDVTNVVRRDVEKWGPFDLVYGS
 TQPLGSSCDRCPGWYMFQFHRILQYALPRQESQRPF FWIFMDNLLL TEDDQETTT RFLQTEAVTLQDVVRG
 RDYQNAMRVWSNIPGLKSKHAPLTPKEEYLQAQVRSRSLDAPKVDLLVKNCLLPLREYFKYFSQNSLP
 L

TRTRPLE - GFP Tag - V

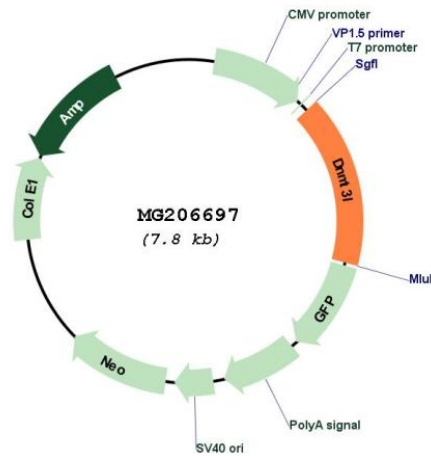
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_019448

ORF Size:	1263 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:	<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:	NM_019448.2 , NP_062321.1
RefSeq Size:	1670 bp
RefSeq ORF:	1266 bp
Locus ID:	54427
UniProt ID:	Q9CWR8
Cytogenetics:	10 39.72 cM
Gene Summary:	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]