

## Product datasheet for **RC208363L3V**

### **Dnmt2 (TRDMT1) (NM\_004412) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Dnmt2 (TRDMT1) (NM_004412) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Dnmt2
Synonyms:	DMNT2; DNMT2; MHSIIP; PUMET; RNMT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004412
ORF Size:	1173 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208363).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004412.4</a>
RefSeq Size:	7687 bp
RefSeq ORF:	1176 bp
Locus ID:	1787
UniProt ID:	<a href="#">O14717</a>
Cytogenetics:	10p13
Domains:	DNA_methylase
Protein Families:	Druggable Genome



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**Protein Pathways:** Cysteine and methionine metabolism, Metabolic pathways

**MW:** 44.6 kDa

**Gene Summary:** This gene encodes a protein responsible for the methylation of aspartic acid transfer RNA, specifically at the cytosine-38 residue in the anticodon loop. This enzyme also possesses residual DNA-(cytosine-C5) methyltransferase activity. While similar in sequence and structure to DNA cytosine methyltransferases, this gene is distinct and highly conserved in its function among taxa. [provided by RefSeq, Jun 2010]