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Product datasheet for MR225606L3V

Dnmt3b (NM_001122997) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dnmt3b (NM_001122997) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dnmt3b
Synonyms:	MmuIIIB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001122997
ORF Size:	2580 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225606).
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.
RefSeq:	NM_001122997.1, NP_001116469.1
RefSeq Size:	4229 bp
RefSeq ORF:	2583 bp
Locus ID:	13436
Cytogenetics:	2 H1

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Gene Summary: This is one of two related genes encoding de novo DNA methyltransferases, which are responsible for the establishment of DNA methylation patterns in embryos. Loss of function of this gene results in severe developmental defects and loss of viability. Mutation of the related gene in humans causes immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome. There is a pseudogene for this gene located adjacent to this gene in the same region of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Nov 2012]