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Product datasheet for TL500549V

Dnmt3a Mouse shRNA Lentiviral Particle (Locus ID 13435)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Dnmt3a Mouse shRNA Lentiviral Particle (Locus ID 13435)
Locus ID:	13435
Synonyms:	MmuIIIA
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Dnmt3a - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC007466, NM_001271753, NM_007872, NM_153743, NM_007872.1, NM_007872.2, NM_007872.3, NM_007872.4, NM_153743.1, NM_153743.2, NM_153743.3, NM_153743.4, NM_001271753.1, BM963211
UniProt ID:	O88508
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 causes developmental defects in multiple different organ systems. There is a pseudogene for this gene located on chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Nov 2012]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).