OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TL500550

Dnmt3b Mouse shRNA Plasmid (Locus ID 13436)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Dnmt3b Mouse shRNA Plasmid (Locus ID 13436)
Locus ID:	13436
Synonyms:	MmuIIIB
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Dnmt3b - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 13436). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC105677, BC105922, NM_001003960, NM_001003961, NM_001003963, NM_001122997, NM_001271744, NM_001271745, NM_001271746, NM_001271747, NM_010068, NM_001003961.1, NM_001003961.2, NM_001003961.3, NM_001003961.4, NM_001003960.1, NM_001003960.2, NM_001003960.3, NM_001003960.4, NM_010068.1, NM_010068.2, NM_010068.3, NM_010068.4, NM_010068.5, NM_001003963.1, NM_001003963.2, NM_001003963.3, NM_001003963.4, NM_001122997.1, NM_001122997.2, NM_001271747.1, NM_001271746.1, NM_001271745.1, NM_001271744.1
UniProt ID:	O88509
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]
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.

View online »

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).