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Product datasheet for TL302278V

PRMT1 Human shRNA Lentiviral Particle (Locus ID 3276)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	PRMT1 Human shRNA Lentiviral Particle (Locus ID 3276)
Locus ID:	3276
Synonyms:	ANM1; HCP1; HRMT1L2; IR1B4
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	PRMT1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001207042, NM_001536, NM_198318, NM_198319, NR_033397, NM_198319.1, NM_198319.2, NM_198318.1, NM_198318.2, NM_198318.3, NM_198318.4, NM_001536.1, NM_001536.2, NM_001536.3, NM_001536.4, NM_001536.5, NM_001207042.2, BC019268, BC109282, BC109283, NM_001536.6, NM_001207042.3, NM_198318.5
UniProt ID:	Q99873
Summary:	This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2011]
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).