

Product datasheet for SR302235

OriGene Technologies, Inc.

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PRMT1 Human siRNA Oligo Duplex (Locus ID 3276)

Product data:

Product Type: siRNA Oligo Duplexes

Purity: HPLC purified

Quality Control: Tested by ESI-MS

Sequences: Available with shipment

Stability: One year from date of shipment when stored at -20°C.

of transfections: Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final

conc. 10 nM).

Note: Single siRNA duplex (10nmol) can be ordered.

RefSeq: <u>NM 001207042</u>, <u>NM 001536</u>, <u>NM 198318</u>, <u>NM 198319</u>, <u>NR 033397</u>

UniProt ID: Q99873

Synonyms: ANM1; HCP1; HRMT1L2; IR1B4

Components: PRMT1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 3276)

Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol

Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

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

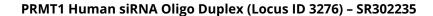
role in many biological processes, whereby PRMTs methylate arginine residues by

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]







Performance Guaranteed:

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).