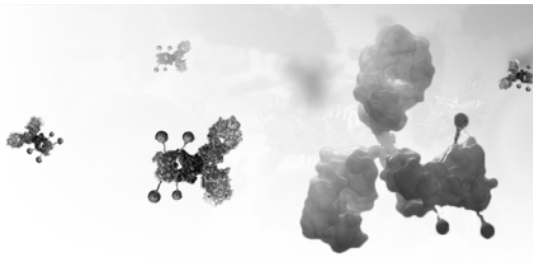

Human PRMT1 peptide (DAG-P1804)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Specificity	Widely expressed.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein arginine N-methyltransferase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PRMT1 protein arginine methyltransferase 1 [Homo sapiens (human)]
Official Symbol	PRMT1

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Synonyms	PRMT1; protein arginine methyltransferase 1; ANM1; HCP1; IR1B4; HRMT1L2; protein arginine N-methyltransferase 1; interferon receptor 1-bound protein 4; histone-arginine N-methyltransferase PRMT1; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2; heterogeneous nuclear ribonucleoprotein methyltransferase 1-like 2;
Entrez Gene ID	3276
mRNA Refseq	NM_001207042.2
Protein Refseq	NP_001193971.1
UniProt ID	H7C2I1
Chromosome Location	19q13.3
Pathway	Direct p53 effectors, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; FoxO signaling pathway, organism-specific biosystem; Interferon type I, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem; mRNA processing, organism-specific biosystem;
Function	N-methyltransferase activity; N-methyltransferase activity; histone methyltransferase activity; histone methyltransferase activity (H4-R3 specific); identical protein binding; methyltransferase activity; poly(A) RNA binding; protein binding; protein-argin

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