

Recombinant Human PRMT1 Protein, GST-tagged

Cat. No. PRMT1-016H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT1 protein (2-371) with a N-terminal GST-tag was expressed in E. coli
Species	Human
Source	E.coli
ProteinLength	2-371
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.
Molecular Mass	69.2 kDa
Purity	≥35% estimated by SDS-PAGE
Unit Definition	One unit is the amount of enzyme required to transfer one methyl group to histone H4 per minute using 100 μmol histone H4 (1-21) peptide at 37 centigrade in

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Methyltransferase Colorimetric Assay Kit.

Stability	≥ 6 months
Storage	-80 centigrade
Shipping	Dry ice in continental US, may vary elsewhere.

GENE INFORMATION

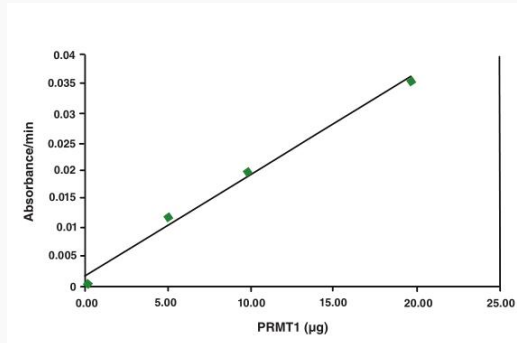
Gene Name	PRMT1 protein arginine methyltransferase 1 [Homo sapiens (human)]
Official Symbol	PRMT1
Synonyms	PRMT1; protein arginine methyltransferase 1; ANM1; HCP1; IR1B4; HRMT1L2; protein arginine N-methyltransferase 1; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2; heterogeneous nuclear ribonucleoprotein methyltransferase 1-like 2; histone arginine N-methyltransferase PRMT1; interferon receptor 1-bound protein 4; EC 2.1.1.319
Gene ID	3276
mRNA Refseq	NM_001536
Protein Refseq	NP_001527
MIM	602950
UniProt ID	Q99873

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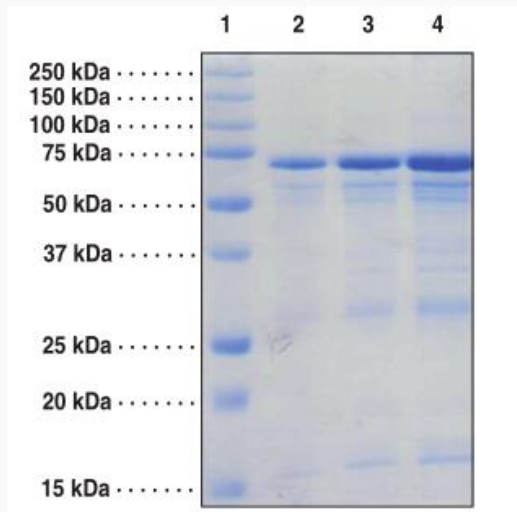
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Activity of PRMT1



SDS-PAGE analysis of PRMT1



Lane 1: MW Markers
 Lane 2: PRMT1 (1 g)
 Lane 3: PRMT1 (2 g)
 Lane 4: PRMT1 (4 g)

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