

Recombinant Human PRMT1 Protein, GST-tagged

Cat. No. PRMT1-064H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant N-terminal GST-tagged full-length human PRMT1 protein (2-371) 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 a

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Methyltransferase Colorimetric Assay Kit.

Stability

≥ 6 months

Storage

At -80 centigrade.

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_198318

Protein Refseq

NP_938074

MIM

602950

UniProt ID

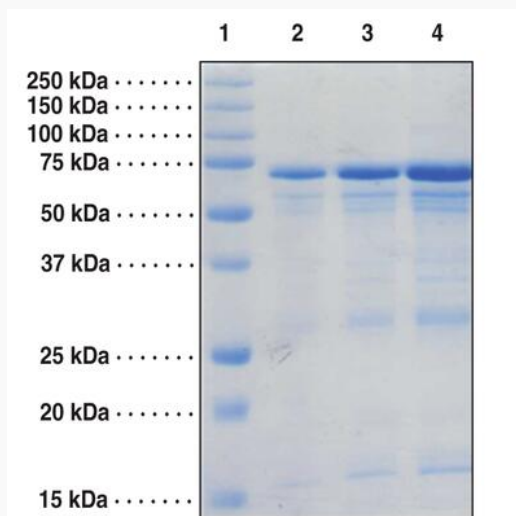
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**SDS-PAGE analysis
of PRMT1**



Lane 1: MW Markers

Lane 2: PRMT1 (1 µg)

Lane 3: PRMT1 (2 µg)

Lane 4: PRMT1 (4 µg)