

Recombinant Human PRMT2 protein, GST-tagged

Cat. No. PRMT2-125H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT2 fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Description	PRMT2, protein arginine methyltransferase 2, arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. PRMT2 acts as an ER α -binding protein and enhances both its AF-1 and AF-2 transcriptional activity. Inhibit NF-kappa-B transcription by blocking nuclear export of IkappaB-alpha through a leptomycin-sensitive pathway, increasing nuclear IkappaB-alpha and decreasing NF-kappaB DNA binding, which in turn renders cells susceptible to apoptosis.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	75.4 kDa
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	PRMT2 protein arginine methyltransferase 2 [Homo sapiens]
Official Symbol	PRMT2
Synonyms	PRMT2; protein arginine methyltransferase 2; HMT1 (hnRNP methyltransferase, S. cerevisiae) like 1 , HMT1 hnRNP methyltransferase like 1 (S. cerevisiae) , HRMT1L1; protein arginine N-methyltransferase 2; MGC111373; PRMT2 beta; PRMT2 alpha; PRMT2 gamma; HMT1 hnRNP methyltransferase-like 1; histone-arginine N-methyltransferase PRMT2; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 1; HRMT1L1;
Gene ID	3275
mRNA Refseq	NM_001535
Protein Refseq	NP_001526
MIM	601961
UniProt ID	P55345
Chromosome Location	21q22.3
Pathway	mRNA processing, organism-specific biosystem;
Function	androgen receptor binding; estrogen receptor binding; estrogen receptor binding; histone methyltransferase activity; histone-arginine N-methyltransferase activity; methyltransferase activity; peroxisome proliferator activated receptor binding;

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progesterone receptor binding; protein binding

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