

Recombinant Full Length Human PRMT2 protein, GST-tagged

Cat. No. PRMT2-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRMT2 fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Protein Length	1-433 a.a.
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	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	76 kDa
AA Sequence	MATSGDCPRSESQGEEPAECSEAGLLQEGVQPEEFVAIADYAATDETQLSFLRGEK ILILRQTTADWWWGERAGC CGYIPANHVGKHHVDEYDPEDTWQDEEYFGSYGTLKL HLEMLADQPRTTKYHSVILQNKESLTDKVIDVGCGTGI ISLFCAHYARPRAVYAVEA

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SEMAQHTGQLVLQNGFADIITVYQQKVEDVVLPEKVDVLVSEWMGTCLLFEFMIES I
LYARDAWLKEDGVIWPTMAALHLVPC SADKDYRSKVLFWDNAYEFNLSALKSLAVK
EFFSKPKYNHILKPEDCL SEPCTILQLDMRTVQISDLETLRGELRFDIRKAGTLHGFT
AWFSVHFQSLQEGQPPQVLSTGPFHPTTHWKQTLF MMDDPVPVHTGDVVTGSSV
LQRNPVWRRHMSVALSWAVTSRQDPTSQKVGEKVFPIWR

Purity >90%

Storage Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.05µg/µl

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_001242864

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Protein Refseq	NP_001229793
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; progesterone receptor binding

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