

Recombinant Human PRMT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRMT2-5188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PRMT2 MS Standard C13 and N15-labeled recombinant protein (NP_001526) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Arginine methyltransferase that methylates the guanidino nitrogens of arginyl residues in proteins such as STAT3, FBL, histone H4. Acts as a coactivator (with NCOA2) of the androgen receptor (AR)-mediated transactivation. Acts as a coactivator (with estrogen) of estrogen receptor (ER)-mediated transactivation. Enhances PGR, PPARG, RARA-mediated transactivation. May inhibit NF-kappa-B transcription and promote apoptosis. Represses E2F1 transcriptional activity (in a RB1-dependent manner). May be involved in growth regulation.
Molecular Mass	48.9 kDa
AA Sequence	MATSGDCPRSESQGEEPAECSEAGLLQEGVQPEEFVAIADYAATDETQLSFLRGEK ILILRQTTADWWWGERAGCCGYIPANHVGKHVDEYDPEDTWQDEEYFGSYGTLKL HLEMLADQPRRTTKYHSVILQNKESLTDKVIDVGC GTGIISLFCAHYARPRAVYAVEA SEMAQHTGQLVLQNGFADIITVYQQKVEDVVLPEKVDVLVSEWMGTCLLFEFMIESIL YARDAWLKEDGVIWPTMAALHLVPCSADKDYRSKVLFWDNAYEFNLSALKSLAVKE FFSKPKYNHILKPEDCLSEPCTILQLDMRTVQISDLETLRGELRFDIRKAGTLHGFTA

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WFSVHFQSLQEGQPPQVLSTGPFHPTTHWKQTLFMMDDPVPVHTGDVVTGSSVL
QRNPVWRRHMSVALSWAVTSRQDPTSQKVGEKVPFIWRS GPTRTRRLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRMT2 protein arginine methyltransferase 2 [Homo sapiens (human)]

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

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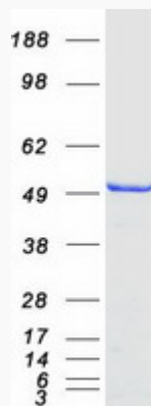
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Protein Refseq NP_001526

MIM 601961

UniProt ID P55345

SDS-PAGE



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