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32-8158: Recombinant Human Protein Arginine N-Methyltransferase 1/PRMT1/HMT2 (N-6His)(Discontinued)

Gene : PRMT1
Gene ID : 3276
Uniprot ID : Q99873

Description

Source: E. coli.
MW :41.6kD.
Recombinant Human Protein Arginine N-Methyltransferase 1 is produced by our E.coli expression system and the target gene encoding Met1-Arg343 is expressed with a 6His tag at the N-terminus. Protein Arginine N-Methyltransferase 1 (PRMT1) is a cytoplasmic protein that belongs to the protein arginine N-methyltransferase family. PRMT1 is a arginine methyltransferase that functions as a histone methyltransferase for H4. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes. PRMT1 methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. PRMT1 is responsible for the majority of cellular arginine methylation activity. Together with dimethylated PIAS1, it represses STAT1 transcriptional activity in the late phase of interferon gamma (IFN-gamma) signaling. It may be involved in the regulation of TAF15 transcriptional activity, act as an activator of estrogen receptor (ER)-mediated transactivation, play a key role in neurite outgrowth and serve as a negative regulator of megakaryocytic differentiation, by modulating p38 MAPK pathway.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGSSHHHHHHSSGLVPRGSHMEVSCGQAESSEKPNAEDMTSKDYYFDSYAHFGIHEEMLKDEVRTLTYRNS
MFHNRHLFKDKVVLDVGSGTGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVTIIKGKVEEVELPVEK
VDIIISEWMGYCLFYESMLNTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKDYKIHWWENVYGFDMSCIKD
VAIKEPLVDVVDPKQLVTNACLIKEVDIYTVKVEDLTFTSPFCLQVKRNDYVHALVAYFNIEFTRCHKRTGFSTSP
ESPYTHWKQTVFYMEDYLTVKTGEEIFGTIGMRPNAKNNRDLDFTIDLDFKGQLCELSCSTDYRM

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.