

## 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 an 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 methylates 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 :** MGSSHHHHHSSGLVPRGSHMEVSCGQAESSEKPAEDMTSKDYDFDSYAHFGIHEMLKDEVRTLTYRNS MFHNRHLFKDKVVLVDVSGTGILCMFAAKAGARKVIGIECSSISDYAVKIVKANKLDHVVTIIGKGVVEVELPVEK VDIIESEWMGYCLFYESMLNLTVLYARDKWLAPDGLIFPDRATLYVTAIEDRQYKDYKIHWWENVYGFDMSCIKD VAIKEPLVDVDPKQLVTNACLIVKEVDIYTVKVEDLTFTSPFCLQVQRNDYVHALVAYFNIEFTRCHKRTGFSTSP ESPYTHWKQTVFYMEDYLVKTGEEIFGTIGMRPNAKNNRDLDFDIDLDFKGLCELSCTDYRM

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.