**PRMT1 Methyltransferase**

**M0221S**

50 units 2,000 U/ml Lot: 0041601

**RECOMBINANT** Store at –20°C Exp: 1/17

**Description:** PRMT1 is a major protein arginine methyltransferase (1). It specifically methylates arginine 3 (Arg 3) of H4 in *in vitro* and *in vivo*. Furthermore, methylation of histone H4 at Arg 3 facilitates transcriptional activation by nuclear hormone receptor (2). Ordered cooperative functions of PRMT1, p300 and CARM1 in transcriptional activation by p53 is observed on the GADD45 gene following ectopic p53 expression and/or UV irradiation (3).

This product replaces PRMT1 Methyltransferase (NEB #M0234)

---

**Human PRMT1 Methyltransferase**

**M0221S**

50 units 2,000 U/ml Lot: 0041601

**RECOMBINANT** Store at –20°C Exp: 1/17

**Description:** PRMT1 is a major protein arginine methyltransferase (1). It specifically methylates arginine 3 (Arg 3) of H4 in *in vitro* and *in vivo*. Furthermore, methylation of histone H4 at Arg 3 facilitates transcriptional activation by nuclear hormone receptor (2). Ordered cooperative functions of PRMT1, p300 and CARM1 in transcriptional activation by p53 is observed on the GADD45 gene following ectopic p53 expression and/or UV irradiation (3).

This product replaces PRMT1 Methyltransferase (NEB #M0234)

---

**References:**