

## **Type I Protein Arginine Methyltransferase**

**CH3 Catalog #** 820001 **Unit Size:** 200 µl

### **PRODUCT OVERVIEW**

PRMT1 is a recombinant type I protein arginine methyltransferase expressed as a fusion protein in bacteria. As supplied, the enzyme is active and capable of methylating arginine acceptor sites in peptides and proteins under appropriate incubation conditions.

### **PURIFICATION**

Glutathione Sepharose chromatography.

### **FORMULATION**

Tris Buffer pH 8.

### **RECOMMENDED USAGE**

In vitro methylation of proteins and peptides. A pilot assay is suggested to determine the amount of enzyme appropriate for the end user's assay conditions. CH3 BioSystems has used 5 µl of this lot for detection of radioactive methyl incorporation in a 24 µl assay volume and 15 µl of this lot for non-radioactive detection using Anti-mRG in a 30 µl assay volume.

### **TESTING**

All lots of PRMT1 exhibit methyltransferase activity based on the conversion of an arginine-rich peptide to a methylarginine containing peptide based on methylarginine-specific antibody reactivity.

### **STORAGE**

Avoid multiple freeze/thaw cycles. Thaw upon first use and prepare appropriately sized aliquots. Store at -80° C. Stable for 6 months from date printed on label.

*All products are for Research Use Only and not for in vitro diagnostic use*

*This Package Insert is provided for product evaluation purposes only and is not intended to be used in place of the Package Insert shipped with the product.*