

Type III Protein Arginine Methyltransferase

CH3 Catalog # 820002 **Unit Size:** 200 µl

PRODUCT OVERVIEW

PRMT7 is a unique recombinant type III protein arginine methyltransferase expressed as a fusion protein in bacteria. As supplied, the enzyme is extremely active* and capable of mono-methylation of arginine acceptor sites in peptides and proteins under appropriate incubation conditions.

*<http://www.ncbi.nlm.nih.gov/pubmed/19110445>

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 10 µl of this lot for detection of radioactive methyl incorporation in a 24 µl assay volume.

TESTING

All lots of PRMT7 exhibit methyltransferase activity based on the transfer of tritiated methyl from radiolabeled methionine to the arginine-rich methylation substrate (#830002 Arginine-Rich Peptide).

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.