

Datasheet for 009-001-T05S**PRMT5 protein-GST fusion****Overview**

Description:	PRMT5 recombinant protein-GST fusion protein - 009-001-T05S
Item No.:	009-001-T05S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PRMT5 is a protein arginine methyltransferase and part of a 20S methyltransferase complex that modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins (1). This modification targets Sm proteins to the survival of motor neurons (SMN) complex for assembly into small nuclear ribonucleoprotein core particles. MEP50 associates with PRMT5 in the 20S arginine methyltransferase complex in HeLa cells (2). Antibodies directed against MEP50 can reduce the arginine methyltransferase activity of the immunopurified complex toward Sm substrates. PRMT5-mediated transcriptional repression of reporter gene is dependent on MEP50. PRMT5 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	HRMT1L5, IBP72, JBP1, SKB1, SKB1Hs, Protein arginine N-methyltransferase 5, 72 kDa ICl-binding protein, Histone-arginine N-methyltransferase PRMT5, Jak-binding protein 1, Shk1 kinase-binding protein 1 homolog, SKB1 homolog, SKB1Hs, Protein arginine N-methyltransferase 5, N-terminally processed
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PRMT5
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Purity/Specificity: Recombinant full-length human PRMT5 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.

Relevant Links:

- [NCBI - NM_006109](#)

Application Details

Application Note: PRMT5 Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. PRMT5 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~96kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: User Optimized

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 0.1ug/ul

Buffer: See application note.

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.