

Datasheet for ABIN6700421 **PRMT5 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	PRMT5
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRMT5 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	PRMT5 recombinant protein-GST fusion protein
Purification:	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.
Purity:	>95%

Target Details

Target:	PRMT5
Alternative Name:	PRMT5 (PRMT5 Products)
Background:	Synonyms: HRMT1L5, IBP72, JBP1, SKB1, SKB1Hs, Protein arginine N-methyltransferase 5, 72 kDa ICln-binding protein, Histone-arginine N-methyltransferase PRMT5, Jak-binding protein 1, Shk1 kinase-binding protein 1 homolog, SKB1 homolog, SKB1Hs, Protein arginine N-

Target Details

methyltransferase 5, N-terminally processed

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.

NCBI Accession:	NM_006109
Pathways:	Chromatin Binding , Regulation of Muscle Cell Differentiation , Ribonucleoprotein Complex Subunit Organization , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Other: Kinase Assay-User Optimized Application_Note: PRMT5 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~96 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 µg/µL
Buffer:	PRMT5 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.

Handling

Expiry Date: 12 months