

Datasheet for ABIN6700742 **Dnmt2 Protein (GST tag)**



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Overview

Quantity:	20 µg
Target:	Dnmt2 (TRDMT1)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Dnmt2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	TRDMT1 (DNMT2) recombinant protein-GST fusion protein
Purification:	Recombinant full-length human TRDMT1 (DNMT2) 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:	Dnmt2 (TRDMT1)
Alternative Name:	TRDMT1 (TRDMT1 Products)
Background:	<p>Synonyms: DNMT2, DMNT2, PUMET, RNMT1, MHSALIP, tRNA (cytosine(38)-C(5))-methyltransferase, DNA (cytosine-5)-methyltransferase-like protein 2, Dnmt2</p> <p>Background: TRDMT1 is responsible for the methylation of aspartic acid transfer RNA,</p>

Target Details

specifically at the cytosine-38 residue in the anticodon loop. TRDMT1 also possesses residual DNA-(cytosine-C5) methyltransferase activity. While similar in sequence and structure to DNA cytosine methyltransferases, TRDMT1 is distinct and highly conserved in its function among various species. The indirect sequence recognition is also a feature of eukaryotic DNA methyltransferases, which may have arisen from a DNMT2-like RNA methyltransferase (1). DNMT2 is involved in retrotransposon silencing and telomere integrity in somatic cells (2). TRDMT1 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, and Neurobiology research.

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: TRDMT1 Protein is suitable for use in Western Blot. Expect a band approximately ~67 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:	TRDMT1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 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.
Expiry Date:	12 months