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## Datasheet for ABIN6700511 **SETDB2 Protein (GST tag)**

### Overview

Quantity:	20 µg
Target:	SETDB2
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETDB2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	SETDB2 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human SETDB2 was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

### Target Details

Target:	SETDB2
Alternative Name:	SETDB2 ( <a href="#">SETDB2 Products</a> )
Background:	Synonyms: CLLD8, CLLL8, Histone-lysine N-methyltransferase SETDB2, Chronic lymphocytic leukemia deletion region gene 8 protein, Lysine N-methyltransferase 1F, SET domain bifurcated 2, SETDB2, C13orf4, CLLD8, KMT1F

## Target Details

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Background: SETDB2 is a histone H3 methyltransferase that modulates gene expression epigenetically through histone H3 methylation. Methylation of histone H3 at lysine 9 (H3K9) by SETDB2 has emerged as an important player in the formation of heterochromatin, chromatin condensation, and transcriptional repression. SETDB2 is recruited to heterochromatin regions and contributes in vivo to the deposition of trimethyl marks. Depletion of SETDB2 coincides with a loss of CENP proteins and delayed mitosis, suggesting that SETDB2 participates in chromosome condensation and segregation (1). Using positional cloning approach, SETDB2 has been cloned from a quantitative trait locus on chromosome 13q14 that influences immunoglobulin E levels and asthma (2). SETDB2 Protein is ideal for investigators involved in Signaling Proteins, Acetyl/Methyltransferase Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, and Neurobiology research.

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: SETDB2 Protein is suitable for use in Western Blot. Expect a band approximately ~120 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid  
Concentration: 0.1 µg/µL  
Buffer: SETDB2 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.  
Expiry Date: 12 months