

Datasheet for 009-001-T29S**SETDB2 protein-GST fusion****Overview**

Description:	SETDB2 recombinant protein-GST fusion protein - 009-001-T29S
Item No.:	009-001-T29S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

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.
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
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	SETDB2
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Purity/Specificity:	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.
Relevant Links:	• NCBI - BC047434

Application Details

Application Note:	SETDB2 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. SETDB2 Protein is suitable for use in Western Blot. Expect a band approximately ~120kDa 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:	0.1 µg/µL
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

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