

Recombinant Human SET Domain, Bifurcated 2, GST-tagged

Cat. No. SETDB2-1632H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human SETDB2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	SETDB2 is a histone H3 methyltransferase that modulates gene expression epigenetically through histone H3 methylation. Methylation of histone 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.
Applications	Western Blot
Molecular Weight	120 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1mM PMSF, 25 % glycerol.
Purity	> 80 %
Concentration	0.1 ug/ul

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences	Full length
Storage	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.
Pathways	Lysine degradation
GENE INFORMATION	
Gene Name	SETDB2 SET domain, bifurcated 2 [Homo sapiens]
Official Symbol	SETDB2
Synonyms	SETDB2; SET domain, bifurcated 2; CLLD8; CLLL8; KMT1F; C13orf4; DKFZp586I0123; DKFZp761J1217; histone-lysine N-methyltransferase SETDB2; OTTHUMP00000018417; OTTHUMP00000018418; lysine N-methyltransferase 1F; chronic lymphocytic leukemia deletion region 8; chronic lymphocytic leukemia deletion region gene 8 protein; EC 2.1.1.43; Histone-lysine N-methyltransferase SETDB2; Chronic lymphocytic leukemia deletion region gene 8 protein; Lysine N-methyltransferase 1F; SET domain bifurcated 2
Gene ID	83852
mRNA Refseq	NM_031915
Protein Refseq	NP_114121
MIM	607865
UniProt ID	Q96T68

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Chromosome Location	13q14
Function	DNA binding; histone methyltransferase activity (H3-K9 specific); metal ion binding; methyltransferase activity; transferase activity; zinc ion binding