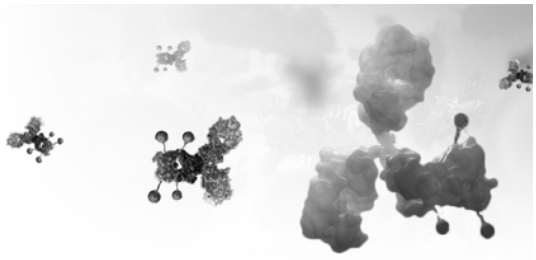

Human SETDB2 peptide (DAG-P0314)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Proteins that contain a SET domain, such as SETDB2, modulate gene expression epigenetically through histone H3 (see MIM 601128) methylation. SETDB2 is likely a histone H3 methyltransferase, as it contains both the active site and flanking cysteine residues required for catalytic activity (Zhang et al., 2003 [PubMed 12754510]).[supplied by OMIM, Mar 2008]
Specificity	Ubiquitous. Highest expression in heart, testis and ovary.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the histone-lysine methyltransferase family.Contains 1 MBD (methyl-CpG-binding) domain.Contains 1 pre-SET domain.Contains 1 SET domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SETDB2 SET domain, bifurcated 2 [Homo sapiens (human)]
Official Symbol	SETDB2
Synonyms	SETDB2; SET domain, bifurcated 2; CLLD8; CLLL8; KMT1F; C13orf4; histone-lysine N-methyltransferase SETDB2; lysine N-methyltransferase 1F; chronic lymphocytic leukemia deletion region 8; chronic lymphocytic leukemia deletion region gene 8 protein;
Entrez Gene ID	83852

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mRNA Refseq	NM_001160308.1
Protein Refseq	NP_001153780.1
UniProt ID	Q96T68
Chromosome Location	13q14
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem;
Function	DNA binding; histone methyltransferase activity (H3-K9 specific); zinc ion binding;

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