Active Recombinant Human SETD1A protein, GST-tagged

Cat. No. SETD1A-198H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SETD1A(1418-end) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1418-end
Description	As a member of the mixed lineage leukemia (MLL) family of histone methyltransferase, it specifically methylates 'Lys-4' of histone H3, when part of the SET1 histone methyltransferase (HMT) complex, but not if the neighboring 'Lys-9' residue is already methylated. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	500 nmol/min/mg
Molecular Mass	61 kDa
Purity	>70%
Applications	Methyltransferase Assay

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Stability	1 year at -70 centigrade from the date of shipment
Storage	Store product at –70 centigrade. 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.
Concentration	0.1μg/μl

GENE INFORMATION

Gene Name	SETD1A SET domain containing 1A [Homo sapiens]
Official Symbol	SETD1A
Synonyms	SETD1A; SET domain containing 1A; histone-lysine N-methyltransferase SETD1A; KIAA0339; KMT2F; Set1; hSET1A; lysine N-methyltransferase 2F; SET domain-containing protein 1A; set1/Ash2 histone methyltransferase complex subunit SET1; Set1A;
Gene ID	9739
mRNA Refseq	NM_014712
Protein Refseq	NP_055527
MIM	611052
UniProt ID	O15047
Chromosome Location	16p11.2

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Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem;
Function	RNA binding; histone methyltransferase activity (H3-K4 specific); methyltransferase activity; nucleotide binding; protein binding; transferase activity;

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