Active Recombinant Human SETD2, FLAG-tagged

Cat. No. SETD2-69H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SETD2 (1392-2564) (accession number NP_054878.5) was expressed in Sf9 cells and contains an N-terminal FLAG tag with an observed molecular weight of 134 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	1392-2564 a.a.
Description	SETD2 (SET Domain Containing 2) is a histone methyltransferase that methylates histone H3 at lysine 36. H3K36 methylation is associated with active chromatin. SETD2 also contains a novel transcriptional activation domain and has been found associated with hyperphosphorylated RNA pol II.
Form	25 mM HEPES, pH 7.5, 150 mM NaCl and 5% glycerol.
Bio-activity	H3K36 methyltransferase.
Applications	Enzyme kinetics, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

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

Concentration	1 mg/ml

GENE INFORMATION

Gene Name	SETD2 SET domain containing 2 [Homo sapiens]
Official Symbol	SETD2
Synonyms	SETD2; SET domain containing 2; histone-lysine N-methyltransferase SETD2; FLJ23184; HIF 1; HYPB; KIAA1732; KMT3A; huntingtin yeast partner B; lysine N-methyltransferase 3A; huntingtin interacting protein 1; huntingtin-interacting protein B; SET2; HIF-1; HIP-1; HBP231; HSPC069; p231HBP; FLJ16420; FLJ22472; FLJ45883; FLJ46217;
Gene ID	29072
mRNA Refseq	NM_014159
Protein Refseq	NP_054878
MIM	612778
UniProt ID	Q9BYW2
Chromosome Location	3p21.31
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem;
Function	DNA binding; histone-lysine N-methyltransferase activity; methyltransferase activity;

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	oxidoreductase activity; protein binding; transferase activity; transition metal ion binding;

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