

## Active Recombinant Human SETD2, FLAG-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1392-2564 a.a.
<b>Description</b>	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.
<b>Form</b>	25 mM HEPES, pH 7.5, 150 mM NaCl and 5% glycerol.
<b>Bio-activity</b>	H3K36 methyltransferase.
<b>Applications</b>	Enzyme kinetics, inhibitor screening, and selectivity profiling.
<b>Storage</b>	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](mailto: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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