

## Recombinant Human WHSC1L1 protein, GST-tagged

Cat. No. WHSC1L1-186H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WHSC1L1(a.a. 1021-1322) fused with GST tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1021-1322 a.a.
<b>Description</b>	NSD3 is a histone methyltransferase that preferentially methylates Lys4 and Lys27 of histone H3. Lys4 methylation usually represents a specific tag for epigenetic transcriptional activation, while Lys27 is a mark for transcriptional repression.
<b>Form</b>	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 16 mM glutathione, 3 mM DTT and 20% glycerol.
<b>Molecular Mass</b>	61 kDa
<b>Purity</b>	>96%
<b>Applications</b>	Suitable for protein binding studies, as an immunogen, or as a Western blotting control.
<b>Storage</b>	>6 months at -80 centigrade. Avoid freeze/thaw cycles.

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**Concentration** 0.44 mg/ml

## GENE INFORMATION

**Gene Name** WHSC1L1 Wolf-Hirschhorn syndrome candidate 1-like 1 [ Homo sapiens ]

**Official Symbol** WHSC1L1

**Synonyms** WHSC1L1; Wolf-Hirschhorn syndrome candidate 1-like 1; histone-lysine N-methyltransferase NSD3; FLJ20353; NSD3; protein whistle; WHSC1-like protein 1; nuclear SET domain-containing protein 3; WHSC1-like 1 isoform 9 with methyltransferase activity to lysine; pp14328; MGC126766; MGC142029; DKFZp667H044;

**Gene ID** 54904

**mRNA Refseq** NM\_023034

**Protein Refseq** NP\_075447

**MIM** 607083

**UniProt ID** Q9BZ95

**Chromosome Location** 8p11.2

**Pathway** Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem;

**Function** histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase

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activity; transferase activity; zinc ion binding;

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