

Recombinant Human WHSC1 protein, FLAG/His-tagged

Cat. No. WHSC1-185H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human WHSC1(782-end) fused with FLAG/His tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	782-end a.a.
Description	NSD2 is a histone methyltransferase that preferentially methylates Lys27 of histone H3. Isoform RE-IIBP may act as a transcription regulator that binds DNA and suppresses IL5 transcription through HDAC recruitment. Mutations in the gene for NSD2 are linked to Wolf-Hirschhorn syndrome (WHS), a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4, and is also associated with chromosomal translocations in multiple myelomas.
Form	45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM, 10% glycerol, 90 g/ml FLAG peptide and 3 mM DTT.
Molecular Mass	66.5 kDa
Purity	>30%
Applications	Suitable for protein binding studies, as an immunogen, or as a Western blotting control.

 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

Storage	>6 months at -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.09 mg/ml
GENE INFORMATION	
Gene Name	WHSC1 Wolf-Hirschhorn syndrome candidate 1 [Homo sapiens]
Official Symbol	WHSC1
Synonyms	WHSC1; Wolf-Hirschhorn syndrome candidate 1; probable histone-lysine N-methyltransferase NSD2; MMSET; NSD2; trithorax/ash1-related protein 5; nuclear SET domain-containing protein 2; IL5 promoter REII region-binding protein; multiple myeloma SET domain containing protein type III; WHS; TRX5; REIIBP; FLJ23286; KIAA1090; MGC176638;
Gene ID	7468
mRNA Refseq	NM_133330
Protein Refseq	NP_579877
MIM	602952
UniProt ID	O96028
Chromosome Location	4p16.3
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem;

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Transcriptional misregulation in cancer, conserved biosystem;

Function

DNA binding; histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase activity; transferase activity; zinc ion binding;

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