

Recombinant Human NSD3 Protein, GST tagged

Cat. No. NSD3-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WHSC1L1 (NSD3) (1038-end) was expressed by baculovirus in Sf9 insect cells using an N terminal GST tag.
Species	Human
Source	Insect Cells
ProteinLength	1038-end
Description	This gene is related to the Wolf-Hirschhorn syndrome candidate-1 gene and encodes a protein with PWWP (proline-tryptophan-tryptophan-proline) domains. This protein methylates histone H3 at lysine residues 4 and 27, which represses gene transcription. Two alternatively spliced variants have been described.
Molecular Mass	72 kDa
Purity	> 90%
Stability	1 yr at –70 centigrade from 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.
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM

 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

	glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.2 µg/µL
Shipping	Dry Ice
Reference	1. Kim SM, et al: Characterization of a novel WHSC1-associated SET domain protein with H3K4 and H3K27 methyltransferase activity. Biochem Biophys Res Commun. 2006 Jun 23;345(1):318-23. 2. Morishita M, et al: Cancers and the NSD family of histone lysine methyltransferases. Biochim Biophys Acta. 2011 Dec;1816(2):158-63.

GENE INFORMATION

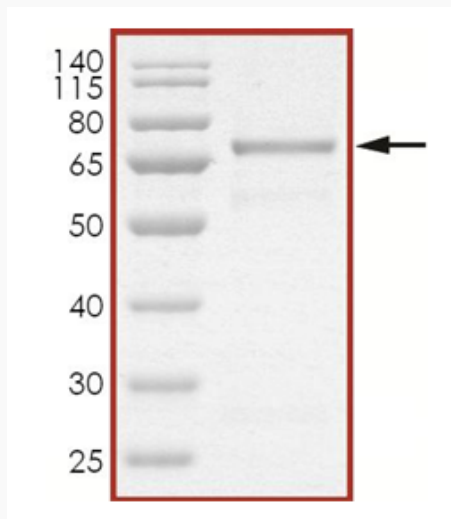
Gene Name	NSD3 nuclear receptor binding SET domain protein 3 [Homo sapiens (human)]
Official Symbol	NSD3
Synonyms	NSD3; nuclear receptor binding SET domain protein 3; KMT3F; KMT3G; WHISTLE; WHSC1L1; pp14328; histone-lysine N-methyltransferase NSD3; Wolf-Hirschhorn syndrome candidate 1-like 1; nuclear SET domain-containing protein 3; protein whistle; EC 2.1.1.370; EC 2.1.1.371
Gene ID	54904
mRNA Refseq	NM_017778
Protein Refseq	NP_060248
MIM	607083
UniProt ID	Q9BZ95

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Purity



The purity of WHSC1L1 (NSD3) was determined to be > 90% by densitometry.
Approx. MW 72 kDa.

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