

## Recombinant Human NSD2 Protein, GST-tagged

**Cat. No.** NSD2-088H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant N-terminal GST-tagged human NSD2 protein (941-1240) was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 941-1240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | <p>This gene encodes a protein that contains four domains present in other developmental proteins: a PWWP domain, an HMG box, a SET domain, and a PHD-type zinc finger. It is expressed ubiquitously in early development. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene maps to the 165 kb WHS critical region and has also been involved in the chromosomal translocation t(4;14)(p16.3;q32.3) in multiple myelomas. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. Some transcript variants are nonsense-mediated mRNA (NMD) decay candidates, hence not represented as reference sequences.</p> |
| <b>Molecular Mass</b>   | 61.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | ≥80% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | WB, ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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**Stability** ≥ 6 months

**Storage** At -80 centigrade.

## GENE INFORMATION

**Gene Name** NSD2 nuclear receptor binding SET domain protein 2 [ Homo sapiens (human) ]

**Official Symbol** NSD2

**Synonyms**

NSD2; nuclear receptor binding SET domain protein 2; WHS; TRX5; KMT3F; KMT3G; MMSET; WHSC1; REIIBP; histone-lysine N-methyltransferase NSD2; IL5 promoter REII region-binding protein; Wolf-Hirschhorn syndrome candidate 1; multiple myeloma SET domain containing protein type III; nuclear SET domain-containing protein 2; probable histone-lysine N-methyltransferase NSD2; trithorax/ash1-related protein 5; EC 2.1.1.357

**Gene ID** 7468

**mRNA Refseq** NM\_133330

**Protein Refseq** NP\_579877

**MIM** 602952

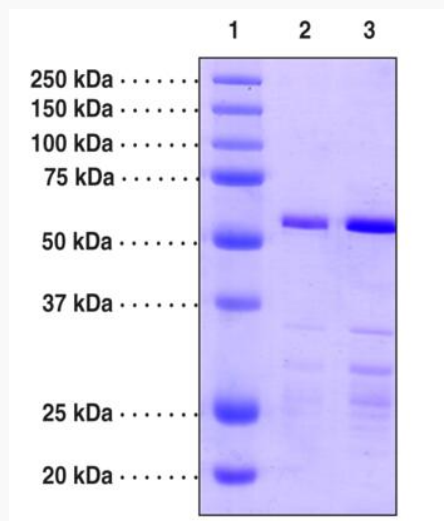
**UniProt ID** O96028

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**SDS-PAGE analysis  
of NSD2**



Lane 1: MW Standards

Lane 2: NSD2 (1 µg)

Lane 3: NSD2 (5 µg)

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