

## Recombinant Human WHSC1 Protein

**Cat. No.** WHSC1-145H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human WHSC1 protein was expressed in Insect cell.                                         |
| <b>Species</b>          | Human                                                                                                 |
| <b>Source</b>           | Insect Cells                                                                                          |
| <b>ProteinLength</b>    | 2-1365                                                                                                |
| <b>Form</b>             | 50 mM Tris/HCl pH 7.5, 500 mM NaCl, 1 mM TCEP, 10% glycerol (v/v).                                    |
| <b>Molecular Mass</b>   | 152.5 kDa                                                                                             |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                      |
| <b>Storage</b>          | Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles. |

### GENE INFORMATION

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | WHSC1 Wolf-Hirschhorn syndrome candidate 1 [ Homo sapiens ]                                                                                           |
| <b>Official Symbol</b> | WHSC1                                                                                                                                                 |
| <b>Synonyms</b>        | WHSC1; Wolf-Hirschhorn syndrome candidate 1; probable histone-lysine N-methyltransferase NSD2; MMSET; NSD2; trithorax/ash1-related protein 5; nuclear |

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|                            |                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | 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;                                         |
| <b>Gene ID</b>             | 7468                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>         | NM_001042424                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_001035889                                                                                                                                                                                                                  |
| <b>MIM</b>                 | 602952                                                                                                                                                                                                                        |
| <b>UniProt ID</b>          | O96028                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 4p16.3                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; |
| <b>Function</b>            | DNA binding; histone-lysine N-methyltransferase activity; metal ion binding; methyltransferase activity; transferase activity; zinc ion binding;                                                                              |