

## Recombinant Human EZH2 Protein, GST-tagged

Cat. No. EZH2-285H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full-length human EZH2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | EZH2 (enhancer of zeste homolog 2) belongs to the polycomb group (PcG) protein and acts as the catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-27' of histone H3, leading to transcriptional repression of target genes. EZH2 expression is associated with proliferating tissues and shares an overlapping set of target genes with EZH1. Compared to PRC2-EZH1, PRC2-EZH2 exhibits higher levels of histone methyltransferase (HKMT) activity. |
| <b>Form</b>             | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | ~130 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 85%                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store product at -70 centigrade.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>    | 0.05ug/uL                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EZH2 enhancer of zeste homolog 2 (Drosophila) [ Homo sapiens ]                                                                                                                                                        |
| <b>Official Symbol</b> | EZH2                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | EZH2; enhancer of zeste homolog 2 (Drosophila); enhancer of zeste (Drosophila) homolog 2; histone-lysine N-methyltransferase EZH2; ENX 1; EZH1; KMT6; KMT6A; lysine N-methyltransferase 6; ENX1; WVS2; ENX-1; MGC9169 |
| <b>Gene ID</b>         | 2146                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_001203247                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_001190176                                                                                                                                                                                                          |
| <b>MIM</b>             | 601573                                                                                                                                                                                                                |
| <b>UniProt ID</b>      | Q15910                                                                                                                                                                                                                |

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