

Recombinant Human EZH2, His-GST-tagged

Cat. No. EZH2-998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EZH2(amino acids 2-end), fused with N-terminal His-GST tag, was expressed in a Sf9 baculovirus expression system.
Species	Human
Source	Sf9 Cells
ProteinLength	2-end a.a.
Description	This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 3 mM DTT, 16 mM glutathione and 20% Glycerol.
Molecular Mass	114 kDa
Purity	Purity>65%
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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Storage >6 months at –80°C

GENE INFORMATION

Gene Name EZH2 enhancer of zeste 2 polycomb repressive complex 2 subunit [Homo sapiens (human)]

Official Symbol EZH2

Synonyms EZH2; enhancer of zeste homolog 2 (Drosophila); enhancer of zeste (Drosophila) homolog 2; histone-lysine N-methyltransferase EZH2; ENX 1; EZH1; KMT6; KMT6A

Gene ID 2146

mRNA Refseq NM_004456

Protein Refseq NP_004447

MIM 601573

UniProt ID Q15910

Chromosome Location 7q35-q36

Pathway Cellular Senescence; Epigenetic regulation of gene expression; MicroRNAs in cancer

Function RNA binding; histone methyltransferase activity; histone methyltransferase activity (H3-K27 specific)

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