

Recombinant Human EZH1 protein, His-tagged

Cat. No. EZH1-1742H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EZH1 aa. (Pro559~Leu747) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro559~Leu747
Description	EZH1 is a component of a noncanonical Polycomb repressive complex-2 (PRC2) that mediates methylation of histone H3 (see MIM 602812) lys27 (H3K27) and functions in the maintenance of embryonic stem cell pluripotency and plasticity (Shen et al., 2008 [PubMed 19026780]).
Form	Freeze-dried powder
Molecular Mass	25kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Concentration

200µg/mL

Storage buffer

100mMNaHCO₃ , 500mMNaCl, pH8.3, containing 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Isoelectric Point

8.1

GENE INFORMATION

Gene Name

[EZH1 enhancer of zeste 1 polycomb repressive complex 2 subunit \[Homo sapiens \(human\) \]](#)

Official Symbol

[EZH1](#)

Synonyms

EZH1; enhancer of zeste 1 polycomb repressive complex 2 subunit; KMT6B; histone-lysine N-methyltransferase EZH1; ENX-2; enhancer of zeste homolog 1

Gene ID

[2145](#)

mRNA Refseq

[NM_001321079.1](#)

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Protein Refseq	NP_001308008.1
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UniProt ID	Q92800
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