

Recombinant Human EZH2 protein, His-tagged

Cat. No. EZH2-176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mutant version of EZH2 5-member complex, but with a Tyr-to-Cys mutation on a.a. 646 of the EZH2 protein. Complex of human EZH2 (GenBank Accession No. NM_004456), a.a. 2-end; Y646C*, with N-terminal His tag, MW= 86 kDa, human EED (NM_003797), a.a. 2-end with N-terminal Flag tag, MW= 51 kDa, human SUZ12 (NM_015355), a.a. 2-end with N-terminal His tag, MW = 87 kDa, Human AEBP2 (NM_153207), a.a. 2-end with N-terminal His tag, MW= 53 kDa, and human RbAp48 (NM_005610), a.a. 2-end with N-terminal His tag, MW = 48 kDa, co-expressed in baculovirus expression system
Species	Human
Source	Insect Cells
ProteinLength	2–end (all components)
Form	45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 225 mM imidazole, 10% glycerol, 3 mM DTT.
Molecular Mass	325 kDa (complex)
Purity	≥ 99%
Applications	Useful for Western blot analysis and to investigate protein-protein interactions in the EZH2 complex.

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Storage	>6 months at -80 centigrade. Avoid freeze/thaw cycles
Concentration	0.62 mg/ml
GENE INFORMATION	
Gene Name	EZH2 enhancer of zeste homolog 2 (Drosophila) [Homo sapiens]
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; lysine N-methyltransferase 6; ENX1; WVS2; ENX-1; MGC9169;
Gene ID	2146
mRNA Refseq	NM_004456
Protein Refseq	NP_004447
MIM	601573
UniProt ID	Q15910
Chromosome Location	7q35-q36
Function	DNA binding; histone methyltransferase activity; histone-lysine N-methyltransferase activity; methyltransferase activity; protein binding; transferase activity;

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