Recombinant Human EZH2 Complex protein, His-tagged

Cat. No. EZH2-169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mutant version of EZH2 5-member complex, but with a Tyr-to-Ser mutation on a.a. 646 of the EZH2 protein. Complex of human EZH2 (GenBank Accession No. NM_004456), a.a. 2-end, Y646S*, 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 a baculovirus expression system.
Species	Human
Source	Insect Cells
ProteinLength	2–end (all components)
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, and 20% glycerol.
Molecular Mass	325 kDa (complex)
Purity	≥ 90%
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	0.4 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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