

# Recombinant Human EZH2 Complex protein, His/Flag-tagged

Cat. No. EZH2-164H Lot. No. (See product label)

## SPECIFICATION

**Product Overview**

Mutant version of EZH2 5-member complex, but with a Glu-to-Lys mutation on a.a. 745 of the EZH2 protein.\* Complex of human EZH2 (GenBank Accession No. NM\_004456), (a.a. 2-end; E745K) 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)

**AA Sequence**

MHHHHHHGQTGKKSEKGPVCWRKRVKSEYMRLRQLKRFRRRADEVKSMFSSNRQK  
 ILERTEILNQEWKQRRRIQPVH ILTSVSSLRGTTRECSVTSDLDFPTQVIPLKTLNAVASV  
 PIMYSWSPLQQNFMVEDETVLHNIPYMGDEVLDQDG TFIEELIKNYDGKVVHGDREC  
 GFINDEIFVELVNALGQYNDDDDDDGDDPEEREKQKDLEDHRDDKESRPPRKF  
 PSDKIFEAISSMFPDKGTAEELKEKYKELTEQQLPGALPPECTPNIDGPNKSVQRE

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QSLHSFHTLFCRRCFKY DCFLHRKCNYSFHATPNTYKRKNTETALDNKPCGPQCY  
 QHLEGAKEFAAALTAERIKTPPKRPGGRRRGRLPNN SSRPSTPTINVLESKDTDSD  
 REAGTETGGENNDKEEEEKDETSSSSEANSRCQTPIKMKPNIEPPENVEWSGAE  
 ASMFRVLIGTYYDNFCAIARLIGTKTCRQVYEFVRVKESSIIAPAPAEDVDTPPRKKKRK  
 HRLWAAHCRKIQLKK DGSSNHVYNYQPCDHPRQPCDSSCPCVIAQNFCEKFCQCS  
 SECQNRFPGCRCKAQCNTKQCPCYLAVRECDPDL CLTCGAADHWDSKNVSKNC  
 SIQRGSKKHELLLAPSDVAGWGIFIKDPVQKNEFISEYCGEISQDEADRRGKVYD KY  
 MCSFLFNLNDFVVDATRKGNKIRFANHSVNPNCYAKVMMVNGDHRIGIFAKRAIQT  
 GEELFFDYRYSQADA LKYVGIKREMEIP

**Purity** ≥ 81%

**Applications** Useful for Western blot analysis and to investigate protein-protein interactions in the EZH2 complex.

**Storage** >6 months at -70 centigrade. Avoid freeze/thaw cycles

**Concentration** 0.38 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

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<b>mRNA Refseq</b>	NM_004456
<b>Protein Refseq</b>	NP_004447
<b>MIM</b>	601573
<b>UniProt ID</b>	Q15910
<b>Chromosome Location</b>	7q35-q36
<b>Function</b>	DNA binding; histone methyltransferase activity; histone-lysine N-methyltransferase activity; methyltransferase activity; protein binding; transferase activity;

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