

Recombinant Human EZH2, His-tagged

Cat. No. EZH2-29233TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 558-707 of Human KMT6/EZH2 isoform 3 with an N-terminal His Tag, 150 amino acids, approximately 24kDa.
Species	Human
Source	E.coli
ProteinLength	558-707 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.
Conjugation	HIS
Tissue specificity	Expressed in many tissues. Overexpressed in numerous tumor types including carcinomas of the breast, colon, larynx, lymphoma and testis.
Form	Lyophilised:reconstitution with 60 µl aqua dest.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium hydrogen phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KNVSCKNCISIQRGSKKHLLAPSDVAGWGIFIKDPVQKNE FISEYCGEIISQDEADRR GKVYDKYMCSFLFNLNDFV VDATRKGNKIRFANHSVNPNCYAKVMMVNGDHRIGI FA KRAIQTGEELFFDYRYSQADALKYVGIEREMEIP
Sequence Similarities	Belongs to the histone-lysine methyltransferase family. EZ subfamily. Contains 1 SET domain.
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;
Gene ID	2146
mRNA Refseq	NM_001203247
Protein Refseq	NP_001190176
MIM	601573
Uniprot ID	Q15910

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Chromosome Location	7q35-q36
Function	DNA binding; histone methyltransferase activity; histone-lysine N-methyltransferase activity; methyltransferase activity; protein binding;

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