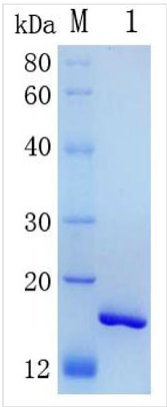


Recombinant Human Histone-lysine N-methyltransferase EZH2 (EZH2) Protein

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IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EZH2 recombinant protein	Enhancer of zeste homolog 2 (EZH2) is a histone-lysine N-methyltransferase enzyme (EC 2.1.1.43) encoded by EZH2 gene, that participates in DNA methylation and, ultimately, transcriptional repression. EZH2 catalyzes the addition of methyl groups to histone H3 at lysine 27, by using the cofactor S-adenosyl-L-methionine. Methylation activity of EZH2 facilitates heterochromatin formation thereby silences gene function. Remodeling of chromosomal heterochromatin by EZH2 is also required during cell mitosis. EZH2 is the catalytic subunit of the Polycomb repressive complex 2 (PRC2). EZH2's catalytic activity relies on its formation of a complex with at least two other PRC2 components, SUZ12 and EED. As a histone methyltransferase (HMTase), EZH2's primary function is to methylate Lys-27 on histone 3 (H3K27me) by transferring a methyl group from the cofactor S-adenosyl-L-methionine (SAM), although recent studies have indicated that it is also capable of methylating non-histone proteins. EZH2 is capable of mono-, di-, and tri-methylation of H3K27 and has been associated with a variety of biological functions, including transcriptional repression and activation, hematopoiesis, development, and cell differentiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	322506097
NCBI GeneID	2146
NCBI Accession #	NP_001190176.1
NCBI GenBank Nucleotide #	NM_001203247.1
UniProt Accession #	Q15910; Q15755; Q75MG3; Q92857; Q96FI6; B2RAQ1; B3KS30; B7Z1D6; B7Z7L6
Molecular Weight	17 kDa
NCBI Official Full Name	histone-lysine N-methyltransferase EZH2 isoform c
NCBI Official Synonym Full Names	enhancer of zeste 2 polycomb repressive complex 2 subunit
NCBI Official Symbol	EZH2
NCBI Official Synonym Symbols	WVS; ENX1; EZH1; KMT6; WVS2; ENX-1; EZH2b; KMT6A
NCBI Protein Information	histone-lysine N-methyltransferase EZH2
UniProt Protein Name	Histone-lysine N-methyltransferase EZH2
UniProt Gene Name	EZH2
UniProt Synonym Gene Names	KMT6
UniProt Entry Name	EZH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ezh2-recombinant-protein-e-coli-sds-page-elisa-wb-western-blot/55967>