

Enhancer Of Zeste Homolog 2 (EZH2) Recombinant Protein | EZH2 recombinant protein

Recombinant Enhancer Of Zeste Homolog 2 (EZH2)

CATALOG # AAA148365	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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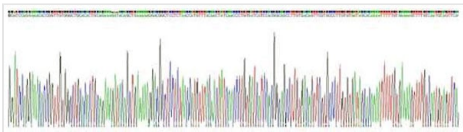
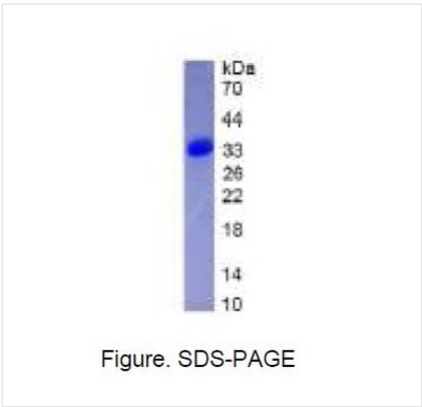
PRODUCT SYNONYMS

Enhancer Of Zeste Homolog 2 (EZH2); Recombinant Enhancer Of Zeste Homolog 2 (EZH2); ENX-1; KMT6; KMT6A; Histone-lysine N-methyltransferase EZH2; Lysine N-methyltransferase 6; EZH2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for EZH2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg494~Val737
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Predicted isoelectric point	8.3
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

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AHCRKIQLKK DGSSNHVYNY QPCDHPQPC DSSCPCVIAQ NFCEKFCQCS  
SECQNRFPGC RCKAQCNKQ CPCYLAVREC DPDLCLTCGA ADHMDSKNVS  
CKNCSTQGRS KKHLLAPSD VAGGIFIKD PVQKNEFISE YCGEIIISQDE  
ADRRGKYVDK YMCSTFLNIN NDFVVDATRK GNKIRFANHS VNPNCYAKVM  
MVNGDHRIGI FAKRAIQTGE ELFFDYRYSQ ADALKYV
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Sequence

ADDITIONAL INFORMATION

Product Categories/Family for EZH2 recombinant protein	Signal Transduction
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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	Predicted Molecular Mass: 29.2kDa Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.
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; 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

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.