

EZH2 recombinant protein

EZH2 (Y641S) Protein

CATALOG #
AAA72983

HOST
Sf9 insect cells using baculovirus

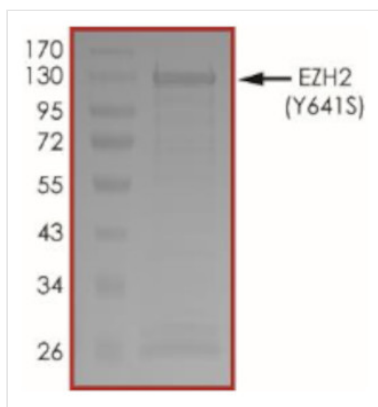
PRODUCT SYNONYMS

EZH2; EZH2 (Y641S) Protein; EZH2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Purity/Purification	>80%
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.1 ug/ul (varies by lot)
Sequence Length	2655
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data

The purity of EZH2 (Y641S) was determined to be >80% by densitometry, approx. MW 130 kDa.

ADDITIONAL INFORMATION

Related Product Information for EZH2 recombinant protein	Description: Recombinant full-length human EZH2 (Y641S) protein was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: EZH2 (enhancer of zeste homolog 2) belongs to the polycomb group (PcG) protein and acts as the catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-27' of histone H3, leading to transcriptional repression of target genes. EZH2 expression is associated with proliferating tissues and shares an overlapping set of target genes with EZH1. Compared to PRC2-EZH1, PRC2-EZH2 exhibits higher levels of histone methyltransferase (HKMT) activity.
Product Categories/Family for EZH2 recombinant protein	Signaling Proteins; Acetyl/Methyltransferases
References	1. Margueron R, et al: Ezh1 and Ezh2 maintain repressive chromatin through different mechanisms. Mol Cell. 32 (4):503-18, 2008. 2. Shen X, et al: EZH1 mediates methylation on histone H3 lysine 27 and complements EZH2 in maintaining stem cell identity and executing pluripotency. Mol Cell. 32 (4):491-502, 2008

NCBI AND UNIPROT INFORMATION

NCBI GI #	34194096
NCBI GeneID	2146
Molecular Weight	130 kDa
NCBI Official Full Name	Homo sapiens enhancer of zeste homolog 2 (Drosophila), mRNA
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.

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Online datasheet: <https://stage.aaabiotech.com/ezh2-recombinant-protein-sf9-insect-cells-using-baculovirus/72983>