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Datasheet for ABIN7563525
EZH1 Protein (AA 1-747) (His tag)

Overview

Quantity:	1 mg
Target:	EZH1
Protein Characteristics:	AA 1-747
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EZH1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ezh1 Protein expressed in mammalian cells.
Sequence:	MDIASPPTSK CITYWKRKVK SEYMRLRQLK RLQANMGAKA LYVANFAKVQ EKTQILNEEW KKLRVQPVQP MKPVSGHPFL KKCTIESIFP GFDSQDMLMR SLNTVALVPI MYSWSPLQQN FMVEDEVLC NIPYMGDEVK EEDEFIEEL INNYDGKVHG EEEMIPGSVL ISDAVFLELV DALNQYSDEE EDGHNDPSDG KQDDSKEDLP VTRKRKRHAI EGNKKSSKKQ FPNDMIFSAI ASMFPEENGVP DDMKERYREL TEMSDPNALP PQCTPNIDGP NAKSVQREQS LHSFHTLFCR RCFKYDCFLH PFHATPNVYK RKNKEIKIEP EPCGTDCFLLEGAKEYAML HNPRSKCSGR RRRRHPVVSA SCSNASASAM AETKEGDSDR DTGNDWASSS SEANSRCQTP TKQKASPAPA QLCVVEAPSE PVEWTGAEES LFRVFHGTYF NNFCSIARLL GTKTCKQVFQ FAVKESLILK LPTDELMNPA QKKRKHRLW AAHCRKIQLK KDNNSTQVYN YQPCDHPDRP CDSTCPCIMT QNFCEKFCQC SPDCQNRFPG CRCKTQCNTK QCPCYLAVRE CDPDLCLTCG ASEHWDCQV SCKNCSIQRG LKKHLLAPL DVAGWGTFIK ESVQKNEFIS EYCGELISQD EADRRGKVVYD KYMSSFLFNL NNDVFVDATR KGNKIRFANH SVNPNCYAKV VMVNGDHRIG IFAKRAIQAG

Product Details

EELFFDYRYS QADALKYVGI ERETDVF **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: EZH1

Alternative Name: Ezh1 ([EZH1 Products](#))

Background: Histone-lysine N-methyltransferase EZH1 (EC 2.1.1.356) (ENX-2) (Enhancer of zeste homolog 1),FUNCTION: Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH1 complex, which methylates 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. Required for embryonic stem cell derivation and self-renewal, suggesting that it is involved in safeguarding embryonic stem cell identity. Compared to EZH2-containing complexes, it is less abundant in embryonic stem cells, has weak methyltransferase activity and plays a less critical role in forming H3K27me3, which

Target Details

is required for embryonic stem cell identity and proper differentiation.
{ECO:0000269|PubMed:19026780}.

Molecular Weight: 85.2 kDa

UniProt: [P70351](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months