

Recombinant Full Length Human EZH1 Protein, GST-tagged

Cat. No. EZH1-4469HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EZH1 full-length ORF (NP_001982.2, 1 a.a. - 747 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	747 amino acids
Description	EZH1 is a component of a noncanonical Polycomb repressive complex-2 (PRC2) that mediates methylation of histone H3 (see MIM 602812) lys27 (H3K27) and functions in the maintenance of embryonic stem cell pluripotency and plasticity (Shen et al., 2008 [PubMed 19026780]).[supplied by OMIM, Mar 2009]
Molecular Mass	111.7 kDa
AA Sequence	MEIPNPPTSKCITYWKRKVKSEYMRLRQLKRLQANMGAKALYVANFAKVQEKQTQILN EEWKKLRVQPVSQSMKPVSGHPFLKKCTIESIFPGFASQHMLMRSNTVALVPIMYS WSPLQQNFMVEDETVLCNIPYMGDEVKEEDETFFIEELINNYDGKVHGEEEMIPGSVL ISDAVFLELVDALNQYSDEEEEGHNDTSDGKQDDSKEDLPVTRKRKRHAIEGNKKS SKKQFPNDMIFSAIASMFPENGVPDDMKERYRELTEMSPNALPPQCTPNIDGPNA KSVQREQSLHSFHTLFCRRCFKYDCFLHPFHATPNVYKRKNKEIKIEPEPCGTDCFL LLEGAKEYAMLHNPRSKCSGRRRRRRHHIVSASCSNASASAVAETKEGDSDRDTGN DWASSSSEANSRCQTPTKQKASPAPPQLCVVEAPSEPVEWTGAEESLFRVFHGT FNNFCSIARLLGKTCKQVFQFAVKESLILKLPTDELMNPSQKKRKRHLWAAHCRKI

 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

QLKKDNSSTQVYNYQPCDHPDRPCDSTCPCIMTQNFCEKFCQCNPDQNRFPGC
RCKTQCNTKQPCPYLAVRECDPDLCLTCGASEHWDCKVVSCKNCISIQRGLKKHLLL
APSDVAGWGTFIKESVQKNEFISEYCGELISQDEADRRGKVYDKYMSSFLNLNDF
VVDATRKGKIRFANHSVNPNCYAKVVMVNGDHRIGIFAKRAIQAGEELFFDYRYSQ
ADALKYVGIERETDVL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EZH1 enhancer of zeste homolog 1 (Drosophila) [Homo sapiens]

Official Symbol

EZH1

Synonyms

EZH1; enhancer of zeste homolog 1 (Drosophila); enhancer of zeste (Drosophila) homolog 1; histone-lysine N-methyltransferase EZH1; KIAA0388; KMT6B; ENX-2;

Gene ID

2145

mRNA Refseq

NM_001991

Protein Refseq

NP_001982

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MIM	601674
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UniProt ID	Q92800
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