

# Recombinant Full Length Human EZH2 Protein, GST-tagged

**Cat. No.** EZH2-1003HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EZH2 full-length ORF ( NP_004447.2, 1 a.a. - 751 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 751 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 112.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MGQTGKKSEK GPVCWRKRVK SEYMRLRQLK RFRRADEVKS MFSSNRQKIL<br>ERTEILNQEW KQRRIQPVHI LTSVSSLRGT RECSVTSDDL FPTQVIPLKT<br>LNAVASVPIM YSWSPLQQNF MVEDETVLHN IPYMGDEVLD QDGTFFIELI<br>KNYDGVKHGD RECGFINDEI FVELVNALGQ YNDDDDDDDDG DDPEEREKQ                                                                                                                                                                                                                                                                                                                                     |

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KDLEDHRDDK ESRPPRKFPS DKIFEAISSM FPDKGTAEEEL KEKYKELTEQ  
 QLPGALPPEC TPNIDGPNNAK SVQREQSLHS FHTLFCRRCF KYDCFLHRKC  
 NYSFHATPNT YKRKNTETAL DNKPCGPQCY QHLEGAKEFA AALTAERIKT  
 PPKRPGGRRR GRLPNNSSRP STPTINVLES KDTDSREAG TETGGENNDK  
 EEEEEKKDETS SSSEANSRCQ TPIKMKNIE PPENVEWSGA EASMFRVLIG  
 TYYDNFCAIA RLIGTKTCRQ VYEFVRKES IIAPAPAEDV DTPPRKKKRK  
 HRLWAAHCRK IQLKKDGSSN HVYNYQPCDH PRQPCDSSCP CVIAQNFCEK  
 FCQCSSECQN RFPGCRCKAQ CNTKQCPCYL AVRECDPDLCTCGAADHWD  
 SKNVSCKNCS IQRGSKKHLL LAPSDVAGWG IFIKDPVQKN EFISEYCGEI  
 ISQDEADRRG KVDYKYMCSF LFNLNDFV DATRKGNKIR FANHSVNPNC  
 YAKVMMVNGD HRIGIFAKRA IQTGEELFFD YRYSQADALK YVGIEREMEI P

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

## GENE INFORMATION

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EZH2 enhancer of zeste 2 polycomb repressive complex 2 subunit [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | EZH2                                                                                    |
| <b>Synonyms</b>        | ENX-1; ENX1; EZH1; EZH2b; KMT6; KMT6A; WVS; WVS2                                        |
| <b>Gene ID</b>         | 2146                                                                                    |
| <b>mRNA Refseq</b>     | NM_004456                                                                               |
| <b>Protein Refseq</b>  | NP_004447                                                                               |
| <b>MIM</b>             | 601573                                                                                  |

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**UniProt ID**

Q15910

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