

## Recombinant Human BMI1, GST-tagged

**Cat. No.** BMI1-27487H    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>                  | E.coli                                                                                                                                                                                                                                                                       |
| <b>Product Overview</b>        | Recombinant Human BMI1 protein, fused with a GST tag, was expressed in E. coli.                                                                                                                                                                                              |
| <b>Description</b>             | BMI1 polycomb ring finger oncogene, also known as BMI1, is a protein which in humans is encoded by the BMI1 gene.                                                                                                                                                            |
| <b>Purity</b>                  | 95.0%                                                                                                                                                                                                                                                                        |
| <b>Sequence of amino acids</b> | MHRTTRIKITELNPHLMCVLCGGYFIDATTIECLHSFCKTCIVRYLETSKYCPICDVQV<br>HKTRPLLNIIRSDKTLQDIVYKLVPLF KNEMKRRRDFYAAHPSADAANGSNEDRGE<br>VADEDKRIITDDEIISLSIEFFDQNRDLRKVNKDKEKSKEEVNDKRYLRCPAA MTVMH<br>LRKFLRSKMDIPNTFQIDVMYEEEEPLKDYYTLMDIAYIYTWRRNGPLPLKYRVRPTCK<br>RMKISHQRDGLTNAGELE |
| <b>Formulation</b>             | Liquid in 6M guanidine hydrochloride, 20mM Tris                                                                                                                                                                                                                              |
| <b>Applications</b>            | SDS-PAGE, ELISA, Western blot                                                                                                                                                                                                                                                |
| <b>Storage</b>                 | Store at 2-8°C for immediate use or -20°C for long term storage, avoid repeat freeze thaws.                                                                                                                                                                                  |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | BMI1 BMI1 polycomb ring finger oncogene [ Homo sapiens ]                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | BMI1; BMI1 polycomb ring finger oncogene; PCGF4; RNF51; FLVI2/BMI1; MGC12685; polycomb complex protein BMI-1; polycomb complex protein BMI-1; flvi-2/bmi-1; ring finger protein 51; polycomb group protein Bmi1; polycomb group RING finger protein 4; B lymphoma Mo-MLV insertion region 1 homolog; murine leukemia viral (bmi-1) oncogene homolog |
| <b>Gene ID</b>             | 648                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | NM_005180                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_005171                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>                 | 164831                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P35226                                                                                                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 10p11.23                                                                                                                                                                                                                                                                                                                                            |
| <b>Pathway</b>             | Senescence and Autophagy; Transcriptional misregulation in cancer; Validated targets of C-MYC transcriptional activation                                                                                                                                                                                                                            |
| <b>Function</b>            | RING-like zinc finger domain binding; chromatin binding; protein binding; sequence-specific DNA binding; ubiquitin-protein ligase activity; zinc ion binding                                                                                                                                                                                        |

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