

## Recombinant Human BMI1 293 Cell Lysate

**Cat. No.** BMI1-8437HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for BMI1 polycomb ring finger oncogene (BMI1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** BMI1 BMI1 polycomb ring finger oncogene [ Homo sapiens ]

**Official Symbol** BMI1

**Synonyms** BMI1; BMI1 polycomb ring finger oncogene; B lymphoma Mo MLV insertion region 1 homolog (mouse) , PCGF4, polycomb group ring finger 4; polycomb complex protein BMI-1; RNF51; 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; PCGF4; FLVI2/BMI1; MGC12685;

**Gene ID** 648

**mRNA Refseq** NM\_005180

**Protein Refseq** NP\_005171

**MIM** 164831

**UniProt ID** P35226

**Chromosome Location** 10p13

**Pathway** Senescence and Autophagy, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; Validated targets of C-MYC transcriptional activation,

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organism-specific biosystem;

**Function**

RING-like zinc finger domain binding; chromatin binding; metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding; zinc ion binding;

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