

Recombinant Human BMI1 293 Cell Lysate

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

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	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.
Components	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).
Size	0.1 mg
Storage Instruction	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.

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Applications

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 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

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misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem; Validated targets of C-MYC transcriptional activation, 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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