

Recombinant Human BMI1 Protein, His-tagged

Cat. No. BMI1-316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMI1(Glu152~Ile289) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu152~Ile289
Description	This gene encodes a ring finger protein that is major component of the polycomb group complex 1 (PRC1). This complex functions through chromatin remodeling as an essential epigenetic repressor of multiple regulatory genes involved in embryonic development and self-renewal in somatic stem cells. This protein also plays a central role in DNA damage repair. This gene is an oncogene and aberrant expression is associated with numerous cancers and is associated with resistance to certain chemotherapies. A pseudogene of this gene is found on chromosome X. Read-through transcription also exists between this gene and the upstream COMM domain containing 3 (COMMD3) gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	17.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

 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

Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

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; FLV12/BMI1; MGC12685;
Gene ID	648
mRNA Refseq	NM_005180

 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

Protein Refseq	NP_005171
MIM	164831
UniProt ID	P35226

 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