Recombinant Human BMI1 protein, His/MBP-tagged

Cat. No. BMI1-350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMI1(47-166 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	47-166 aa
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	Liquid in PBS
Purity	SDS-PAGE >90%
Applications	WB Positive Control

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Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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

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