Recombinant Human BMI1 protein, Arginine-tagged

Cat. No. BMI1-135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Bmi1 protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	HRTTRIKITELNPHLMCVLCGGYFIDATTIIECLHSFCKTCIVRYLETSKYCPICDVQVH KTRPLLNIRSDKTLQ DIVYKLVPGLFKNEMKRRRDFYAAHPSADAANGSNEDRGEV ADEDKRIITDDEIISLSIEFFDQNRLDRKVNKDK EKSKEEVNDKRYLRCPAAMTVMHL RKFLRSKMDIPNTFQIDVMYEEEPLKDYYTLMDIAYIYTWRRNGPLPLKYR VRPTCK RMKISHQRDGLTNAGELESDSGSDKANSPAGGIPSTSSCLPSPSTPVQSPHPQFPHI SSTMNGTSNSPS GNHQSSFANRPRKSSVNGSSATSSGLEESGGGGSPGRRRRRR RRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for human HSC cell differentiation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific antibody production.
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

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GENE INFORMATION

Gene Name	BMI1 BMI1 polycomb ring finger oncogene [Homo sapiens]
Official Symbol	BMI1
Synonyms	BMI1; RNF51; flvi-2/bmi-1; ring finger protein 51; polycomb group protein Bmi1; polycomb group RING finger protein 4; 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, 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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