

BMI-1 Protein, Human, Recombinant (GST)

General Information

Synonyms:	Polycomb complex protein BMI-1; Polycomb group RING finger protein 4; PCGF4; RNF51; RING finger protein 51; BMI1
Protein Construction:	1-250 aa
Species:	Human
Expression Host:	E. coli
Accession:	P35226
Molecular Weight:	56.4 kDa (predicted)
AA Sequence:	MHRTRIKITELNPHLMCVLCGGYFIDATTIIECLHSFCKTCIVRYLETISKYCPICDVQVHKTRPLLNIKSDKTLQDI VYKLVPGFLFKNEMKRRRDFYAAHPSADAANGSNEDRGEVADEDKRIITDDEIISLSIEFFDQNRLLDRKVNKDK EKSKEEVNDKRYLRCPAAMTMHLRKFRLSKMDIPNTFQIDVMYEEEPKDYITLMDIAYIYTWRNGLPLPK YRVRPTCKRMKISHQRDGLTNAGELE

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone

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H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. The complex composed of RNF2, UB2D3 and BMI1 binds nucleosomes, and has activity only with nucleosomal histone H2A. In the PRC1-like complex, regulates the E3 ubiquitin-protein ligase activity of RNF2/RING2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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