

Recombinant human Polycomb complex protein BMI-1

Catalog No: #AP71814



Package Size: #AP71814-1 20ug #AP71814-2 100ug #AP71814-3 1mg

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Description

Product Name	Recombinant human Polycomb complex protein BMI-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-250aaSequence Info:Partial
Other Names	Polycomb group RING finger protein 4RING finger protein 51
Accession No.	P35226
Uniprot	P35226
GeneID	100532731;648;
Calculated MW	56.4 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MHRTRTRIKITELNPHLMCVLCGGYFIDATTIIECLHSFCKTCIVRYLETSKYCPICDVQVHKTRPLLNIKSDKTLQD IVYKLVPLGFKNEMKRRRDFYAAHPSADAANGSNEDRGEVADEDKRIITDDEIISLSIEFFDQNRLLDRKVNKDKE KSKEEVNDKRYLRCPAAMTMHLRKLRSKMDIPNTFQIDVMYEEEEPLKDYITLMDIAYITWRRNGPLPLKY RVRPTCKRMKISHQRDGLTNAGELE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. In the PRC1 complex, it is required to stimulate the E3 ubiquitin-protein ligase activity of RNF2,RING2.

References

Characterization and chromosomal localization of the human proto-oncogene BMI-1.Alkema M.J., Wiegand J., Raap A.K., Berns A., van Lohuizen M.Hum. Mol. Genet. 2:1597-1603(1993)Research Topic:Transcription

Note: This product is for in vitro research use only