Polycomb Complex Protein BMI-1-B (bmi1b) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polycomb complex protein BMI-1-B (bmi1b), Recombinant Protein
Full Product Name	Recombinant Danio rerio Polycomb complex protein BMI-1-B (bmi1b)
Product Gene Name	bmi1b recombinant protein
Product Synonym Gene Name	bmi1b
Sequence	MHRTTRIKIT ELNPHLMCVL CGGYFIDATT IVECLHSFCK MCIVRYLETS KYCPICDVQV HKTKPLLNIR SDKTLQDIVY KLVPGLFKNE MKRRRDFYAE HPVDATNGSN EDRGEVSDED KRIIADDEII SLSIEFFDQK KLDGKDGEEK ESTKEVTVKR YLQCPAAMTV MHLRKFLRSK MDIPCTFQIE VMYEDEPLKD YYTLMDIAYI YTWRRNGPLP LKYRVRPGCK KIKLSSPRND MSGGRRPDTE SDSSSDKPNS PSIVAAPSTS SSMPSPNTPV QSTHPSFPHI STINGVSAKV GHNGQTPFSS KVCKTSHNGS NSLG
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	36,655 Da
Sequence Positions	1-324, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q7T3E6
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bmi1b recombinant protein	MBS1471529 is a recombinant protein targeting bmi1b. Also known as Recombinant Danio rerio Polycomb complex protein BMI-1-B (bmi1b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bmi1b recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for bmi1b. It may not necessarily be applicable to this product.

NCBI GI #	124001541
NCBI GeneID	394249
NCBI Accession #	NP_001074220.1
UniProt Primary Accession #	Q7T3E6
UniProt Related Accession #	Q7T3E6

GenBank Nucleotide #	NM_001080751.1
NCBI Official Full Name	polycomb complex protein BMI-1-B
NCBI Official Synonym Full Names	bmi1 polycomb ring finger oncogene 1b
NCBI Official Symbol	bmi1b
NCBI Official Synonym Symbols	pcgf4b
UniProt Protein Name	Polycomb complex protein BMI-1-B
UniProt Synonym Protein Names	Polycomb group RING finger protein 4-B
Protein Family	Polycomb complex protein
UniProt Gene Name	bmi1b
UniProt Synonym Gene Names	pcgf4b
NCBI Protein Information	polycomb complex protein BMI-1-B
UniProt Comments for bmi1b	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 ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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