

[Go to Product page](#)

## Datasheet for ABIN7563011 **BMI1 Protein (AA 1-324) (His tag)**

### Overview

Quantity:	1 mg
Target:	BMI1
Protein Characteristics:	AA 1-324
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMI1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Bmi1 Protein expressed in mammalian cells.
Sequence:	MHRTTRIKIT ELNPHLMCVL CGGYFIDATT IIECLHSFCK TCIVRYLETS KYCPICDVQV HKTRPLLNIR SDKTLQDIVY KLVPGFLFKNE MKRRRDFYAA HPSADAANGS NEDRGEVADE EKRIITDDEI ISLSIEFFDQ SRLDRKVNKE KPKEEVNDKR YLRCPAAMTV MHLRKFLRSK MDIPNTFQID VMYEEEPLKD YYTLMDIAYI YTWRRNGPLP LKYRVRPTCK RMKMSHQ RDG LTNAGELESD SGSDKANSPA GGVPSTSSCL PSPSTPVQSP HPQFP HISST MNGTSNSPSA NHQSSFASRP RKSSLNGSSA TSSG <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

---

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

---

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

---

## Target Details

---

Target:	BMI1
Alternative Name:	Bmi1 ( <a href="#">BMI1 Products</a> )
Background:	<p>Polycomb complex protein BMI-1 (Polycomb group RING finger protein 4),FUNCTION: 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. 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 (By similarity). {ECO:0000250 UniProtKB:P35226, ECO:0000269 PubMed:16710298}.</p>
Molecular Weight:	36.7 kDa
UniProt:	<a href="#">P25916</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Autophagy</a>

## Application Details

---

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Buffer: The buffer composition is at the discretion of the manufacturer.

---

Handling Advice: Avoid repeated freeze-thaw cycles.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C.

---

Expiry Date: 12 months

---