

## Product datasheet for **MR226936L4V**

### **Bmi1 (NM\_007552) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Bmi1 (NM_007552) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bmi1
Synonyms:	AW546694; Bmi-1; Pcgf4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007552
ORF Size:	972 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226936).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_007552.4</a> , <a href="#">NP_031578.2</a>
RefSeq Size:	3594 bp
RefSeq ORF:	975 bp
Locus ID:	12151
UniProt ID:	<a href="#">P25916</a>
Cytogenetics:	2 12.9 cM



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**Gene Summary:**

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).[UniProtKB/Swiss-Prot Function]