

## Product datasheet for **RC202871L4V**

### **BMI1 (NM\_005180) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	BMI1 (NM_005180) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BMI1
Synonyms:	flvi-2/bmi-1; FLVI2/BMI1; PCGF4; RNF51
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005180
ORF Size:	978 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202871).
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_005180.5</a>
RefSeq Size:	3435 bp
RefSeq ORF:	981 bp
Locus ID:	648
UniProt ID:	<a href="#">P35226</a>
Cytogenetics:	10p12.2
Domains:	RING
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors



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**MW:** 36.9 kDa

**Gene Summary:** This gene encodes a ring finger protein that is major component of the polycomb group complex 1 (PRC1). This complex functions through chromatin remodeling as an essential epigenetic repressor of multiple regulatory genes involved in embryonic development and self-renewal in somatic stem cells. This protein also plays a central role in DNA damage repair. This gene is an oncogene and aberrant expression is associated with numerous cancers and is associated with resistance to certain chemotherapies. A pseudogene of this gene is found on chromosome X. Read-through transcription also exists between this gene and the upstream COMM domain containing 3 (COMMD3) gene. [provided by RefSeq, Sep 2015]