

## Product datasheet for **MR226518L4V**

### Blm (NM\_001042527) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Blm (NM_001042527) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Blm
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001042527
ORF Size:	4248 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226518).
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_001042527.2</a> , <a href="#">NP_001035992.1</a>
RefSeq Size:	4598 bp
RefSeq ORF:	4251 bp
Locus ID:	12144
UniProt ID:	<a href="#">O88700</a>
Cytogenetics:	7 45.65 cM



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**Gene Summary:**

ATP-dependent DNA helicase that unwinds single- and double-stranded DNA in a 3'-5' direction (PubMed:9840919). Participates in DNA replication and repair (By similarity). Involved in 5'-end resection of DNA during double-strand break (DSB) repair: unwinds DNA and recruits DNA2 which mediates the cleavage of 5'-ssDNA (PubMed:9840919). Negatively regulates sister chromatid exchange (SCE) (PubMed:9840919, PubMed:27010503). Stimulates DNA 4-way junction branch migration and DNA Holliday junction dissolution. Binds single-stranded DNA (ssDNA), forked duplex DNA and DNA Holliday junction (By similarity). [UniProtKB/Swiss-Prot Function]