

## Product datasheet for **MR210782L4V**

### **Bcl11b (NM\_021399) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Bcl11b (NM_021399) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bcl11b
Synonyms:	9130430L19Rik; AI604821; B630002E05Rik; BCL-11B; Ctip2; Rit1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021399
ORF Size:	2439 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210782).
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_021399.2</a> , <a href="#">NP_067374.2</a>
RefSeq Size:	7707 bp
RefSeq ORF:	2439 bp
Locus ID:	58208
UniProt ID:	<a href="#">Q99PV8</a>
Cytogenetics:	12 59.1 cM



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**Gene Summary:**

Key regulator of both differentiation and survival of T-lymphocytes during thymocyte development in mammals (PubMed:12717433). Essential in controlling the responsiveness of hematopoietic stem cells to chemotactic signals by modulating the expression of receptors CCR7 and CCR9, which direct the movement of progenitor cells from the bone marrow to the thymus (By similarity). Is a regulator of IL2 promoter and enhances IL2 expression in activated CD4(+) T-lymphocytes (PubMed:16809611). Tumor-suppressor protein involved in T-cell lymphomas. May function on the P53-signaling pathway. Repress transcription through direct, TFCOUP2-independent binding to a GC-rich response element.[UniProtKB/Swiss-Prot Function]