

Product datasheet for **MC228686**

Bcl11b (NM_001286343) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl11b (NM_001286343) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcl11b
Synonyms:	9130430L19Rik; AI604821; B630002E05Rik; BCL-11B; Ctip2; Rit1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228686 representing NM_001286343
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATG**TCCCGCCGCAAA**CAGGGCAACCCG**CAGCACTTGTCC**CAGAGGGA**ACTCATCAC**CGTAAAGATGAGC
 CTTCCAGCTACATTTGCACAACATGCAAGCAGCCCTTCAACAGCGCCTGGTTCTCTGCTGCAGCACGCACA
 GAACACACATGGCTTCCGAATCTACCTGGAGCCTGGGGCGGCCAGCACCTCGCTCACGCCAGGCTCACC
 ATCCCGCCACCCTCGGGCCGGAGACCGTGGCGCAGTCCC**ACTCATGAATTTCTGGGG**GACAGCAATC
 CTTTAACTGCTGCGCATGACGGGCCCATCTGCGGGACCACCCTGGCTTCGGTGAGGGCCGCTTGCC
 AGGTACGCCACCCTCTCAGCCACCGCCACGCCATCACTTGGACCCACACCGCCTCAGTGCAGAGGAG
 ATGGGGCTCGTGGCCAGCACCCAGTGCCTTCGACCGAGTCATGCGCCTGAACCCCATGGCCATAGACT
 CTCTGCCATGGACTTCTCCGGCGGCTGCGGAACTGGCCGGCAACAGCTCCACGCCCGCCCGCTGTC
 CCCAGGCCGTGGCAACCTATGCACCGGCTGCTGAACCTTTCCAGCCAGTCCCAAGTCCCGTTCCTC
 AGCACGCCACCCTGCCACCCATGCCTGCGGGCACACCGCCACCAGCCGCTGCCAAGAGCAAGTCTCT
 GTGAGTTCTGCGCAAGACCTTCAAGTTCAGAGCAATCTCATCGTGCACCGCGCGAGCCACACGGGCGA
 GAAGCCCTACAAGTGCCAGCTGTGCGACCATGCGTGTCTCGCAGGCGAGCAAGCTCAAGCGCCACATGAAG
 ACGCACATGCACAAGGCGGGCTCTTGCTGGCCGCTCAGACGACGGGCTCTCAGCTGCCAGCTCCCTG
 AGCCGGGACACGAGCTGCCAGGTGACCTGAAAGCGGCCGATGGCGACTTCCGCCACCATGAGAGCGA
 CCCATCTTGGCCCCGAGCTGAGGACGACGAGGACGAGGAGGAGGAAGAAGAGGAGCTGCTGCTGGAG
 AACGAGAGCCGGCCTGAGTCGAGCTTCAAGTGGACTCGGAGCTGGCCGTGGCCGCGAGAACGGAGGTG
 CGCTGCCACCGGGGTGGCGGGCGAGGGCTGCAGCTGCGGCTCTGGCGGATGAGAAGGCTCTGGCCCT
 GGGCAAGGTGATGGAGGACGCAGGGCTGGGCGCACTGCCGAGTATGGGAGAAAGCGGGGCGCCTTCCTG
 AAGCGTGCAGGCGACACGGGTGATGCCGGAGCTGTTGGCTGTGGGGACGCGGGTGCACCGGGTGCAGTGA
 ACGGGCGCGGGGGCTTCGCGCCAGGCGCAGAGCCCTTCCAGCTCTCTCCACGCAAGCCAGCACC
 GCTGCCAGCCCTGGGCTCGGTGGTCCCGCGCTGCACGCGGCCAAGCGCATCAAGGTGGAGAAAGACCTG
 GAGCTGCCACCTGCCGCCCTCATCCATCTGAGAACGTGTACTCGCAGTGGCTCGTGGGTACGCAGCAT
 CGCGCCACTTCATGAAGACCCATTCTGGCTTACGGATGCGCGCCAGTGCCTTTCGCCACATCGTC
 GGAACATTCTCTGAGAACGGCAGCCTGCGCTTCTCAACGCCACCGGGGACCTGCTGGACGGCGGGCTG
 TCCGGGCGCAGTGGCACGGCAGCGGGGCGAGCACACCTCACCTGGGTGGTCCGGTCTCGGGAGCCGA
 GCTCCAAGGAGGCGCCGCGCAGGACACATGTGAGTACTGCGGCAAGGTCTTCAAGAACTGTAGCAACCT
 GACGGTGCACCGGAGGAGCCACACCGGGGAGCGGCCTTACAAGTGCAGCTGTGCAACTACCGTGCAGC
 CAGAGCAGCAAGCTCACGCGCCACATGAAGACGCACGGGCAGATCGGCAAGGAGGTGTACCGCTGCGACA
 TCTGCCAGATGCCCTTCAAGCTTACAGCACCTGGAGAAACACATGAAAAAGTGGCACGGTGAACACTT
 GCTGACTAATGATGTCAAATCGAGCAGGCTGAGAGGAGCT**AA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001286343

Insert Size: 2073 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001286343.1</u> , <u>NP_001273272.1</u>
RefSeq Size:	7341 bp
RefSeq ORF:	2073 bp
Locus ID:	58208
UniProt ID:	<u>Q99PV8</u>
Cytogenetics:	12 59.1 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two internal coding exons but maintains the reading frame, compared to variant 1. The resulting isoform (c) lacks an internal segment, compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>