

Product datasheet for **MC201286**

Bcl11b (NM_021399) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl11b (NM_021399) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcl11b
Synonyms:	9130430L19Rik; AI604821; B630002E05Rik; BCL-11B; Ctip2; Rit1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019503 sequence for NM_021399
 GCGGCTCAGACCCCTCCCCGGCCCGCATCTGTGCAGCTTTCGGGGCGATGCCAGAATAGATGCCGGGGC
 AATGTCCCAGCGCAAACAGGGCAACCCGCAGCACTTGTCCAGAGGGAATCATCACGCCAGAGGCTGAC
 CATGTGGAGGCTACCATCCTCGAGGAAGACGAGGGTCTGGAGATAGAGGAGCCTAGCAGCCTGGGGCTGA
 TGGTGGGAGGCCCCGACCCTGATCTACTCACCTGTGGCCAGTGTGAGATGAACTTCCCGTGGGGGACAT
 CCTGGTTTTATAGAGCACAAAGAAGAAACAGTGTGGAGGCTGGGCCCTGCTACGACAAGTCTGGAC
 AAGAGCAGTCCACCTCCCTCCTCGCTCTGAGCTCAGGAGAGTATCTGAGCCAGTGGAGATCGGGATCC
 AGGTACCCCTGATGAAGATGACCACCTACTGTACCCACGAAAGGCATCTGTCCAAGCAGGAGAACAT
 TGCAGGTAAGATGAGCCTTCCAGCTACATTTGCACAACATGCAAGCAGCCCTTCAACAGCGCCTGGTTC
 CTGCTGCAGCACGACAGAACACGCATGGCTTCCGAATCTACCTGGAGCCTGGGCCGGCCAGCACCTCGC
 TCACGCCCAGGCTCACCATCCCGCCACCCTCGGGCCGGAGACCGTGGCGCAGTCCCCTCATGAATTT
 CCTGGGGACAGCAATCCTTTCAACCTGCTGCGCATGACGGGCCCATCTGCGGGACCACCCTGGCTTC
 GGTGAGGGCCGTTGCCAGGTACGCCACCCTCTTACGCCACCACCACGCCATCACTTGGACCCACACC
 GCCTCAGTGCAGAGGAGATGGGGCTCGTGGCCAGCACCCAGTGCCTTCGACCGAGTATGCGCCTGAA
 CCCCATGGCCATAGACTCTCCTGCCATGGACTTCTCCCGCGGCTGCGAGAACTGGCCGGCAACAGCTCC
 AGCCCGCCGCCCCTGTCCCAGGCGGTGCAACCCATGACCCGCTGTGAACCTTTCAGCCAGCCAGTC
 CCAAGTCCCCGTTCTCAGCACGCCACCCTGCCACCCATGCCTGCGGGCACACCGCCACCAGCCGCGC
 TGCCAAGAGCAAGTCTGTGAGTTCTGCGGCAAGACCTTCAAGTTCAGAGCAATCTCATCGTGACCCGG
 CGCAGCCACACGGGCGAGAAGCCCTACAAGTGCCAGCTGTGCGACCATGCGTGCTCGCAGGCGAGCAAGC
 TCAAGCGCCACATGAAGACGCACATGCACAAGGCGGGCTCTTGGCTGGCCGCTCAGACGACGGGCTCTC
 AGCTGCCAGTCCCCTGAGCCGGCACACGAGCTGCCAGGTGACCTGAAAGCGGCCGATGGCGACTTC
 CGCCACCATGAGAGCGACCCATCTTGGCCCCGAGCCTGAGGACGACGAGGACGAGGAGGAGGAAGAAG
 AGGAGCTGCTGCTGGAGAACGAGAGCCGCTGAGTTCGAGCTTTCAGCATGGACTCGGACTGGCCGTTGG
 CCGCGAGAACGGAGGTGGTGTGCCACCGGGGTGGCGGGCGCAGGGGCTGCAGCTGCGGCTCTGGCGGAT
 GAGAAGGCTCTGGCCCTGGGCAAGGTGATGGAGGACGAGGGCTGGGCGCACTGCCCGAGTATGGGAGAG
 AGCGGGGCGCCTTCTGAAGCGTGCAGGCGACACGGGTGATGCCGGAGCTGTTGGCTGTGGGACCGCGG
 TGCACCGGTTGAGTGAACGGGCGCGGGGCTTTCGCGCCAGGCGCAGAGCCCTTTCAGCTCTCTTC
 CCACGCAAGCCAGCACCCCTGCCAGCCCTGGGCTCGGTGGTCCCAGCTGCACGCGGCCAAGCGCATCA
 AGGTGGAGAAAGACCTGGAGCTGCCACCTGCCGCCCTCATCCCATCTGAGAACGTGTACTCGCAGTGGCT
 CGTGGGTACGCAGCATCGGCCACTTTCATGAAGACCCATTCTGGGCTTACGGATGCGCGCCAGTGC
 CCTTTCGCCACATCGTCGGAACATTCCTCTGAGAACGGCAGCCTGCGCTTCTCAACGCCACCCGGGACC
 TGCTGGACGGCGGCTGTCCGGGCGCAGTGGCACGGCGAGCGGGGCGCAGCACACCTCACCTGGGTGGTCC
 GGGTCTGGGAGGCCGAGCTCCAAGGAGGGCCGCGCAGCGACACATGTGAGTACTGCGGCAAGGTCTTC
 AAGAACTGTAGCAACCTGACGGTGCACCGGAGGAGCCACACCGGCGAGCGGCCCTTACAAGTGCAGCTGT
 GCAACTACGCGTGTGCGCAGAGCAGCAAGCTCACGCGCCACATGAAGACGCACGGGCGAGATCGGCAAGGA
 GGTGTACCGTGTGCGACATCTGCCAGATGCCCTTACGCGTCTACAGCACCTGGAGAAACACATGAAAAAG
 TGGCACGGTGAACACTTGTGACTAATGATGTCAAAATCGAGCAGGCTGAGAGGAGCTAAGCGCATACGT
 GGGGACACTGCGTGCCTGTGTACAGCGTACCATCGCCAACTTTCGCAACGGGACCGGTGACCG
 GACTGGCTCTGCATCCCAGGGCCAGGGAGGCGCAGTCCAACCTAACCTGTGTCTGCGAAGTCTAT
 GGAAACCTGAGGGTTGATTAAGGCAGTAAAAAATTAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021399

Insert Size: 2439 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).

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>BC019503, AAH19503</u>
RefSeq Size:	2710 bp
RefSeq ORF:	2439 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 (2) lacks an in-frame coding exon, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a.</p>