

Product datasheet for **MR220297**

Bcl6b (NM_007528) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl6b (NM_007528) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bcl6b
Synonyms:	Bazf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220297 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTCCACAGCGGCCCCAGAGGGAGCTCTGGGCTACGTCGAGAGTTCACCCGCCACTCTCCGACG
 TGCTTAGCAATCTGAATGAGCTGCGCCTGCGCGGATCCTCACTGACGTACGCTGCTGGTTGGCGGGCA
 ACCCTAAGAGCGCACAAGGCAGTTCTTATCGCTTGACGTGGCTTCTTCTATTCAATTTCCGGGGCGA
 GCGGGACTCGGGGTGGATGTACTCTCTGCGGGGGGGCCAGAAGCCAGAGGCTTGTCTCTTCTGG
 ACTTCATGTATACTTCAAGGCTTCGCTCTCTCCAGCCACTGCCCCAGCTGTCTCGCAGCTGCCACCTA
 TTTGCAGATGGAACACGTAGTCCAGGCGTGTACCCTTTCATCCAAGCCAGCTATGAACCTCTAGGCATC
 TCCTTGCACCTGTGGAGGTAGAACCCCAAGACCCCAACAGTCGCTCCACCAGGCAGTCCAGGCGCT
 CAGAAGGACACCCAGACCCACTACTGAGTCTCGAAGTCGAGTCAAGGTTCCCAAGTCCAGCCAGCCC
 AGACCCCAAGGCCTGCAACTGGAATAAATAAAATTTATTGTGCTAAATTCTCAGACCTACAAGCAGGA
 AGCCTGGTTGGGAGAGTTCAGGTCAACCTTGTCCCAGGCCAGGCTCCCTAGTGGAGATGAAGCCTGTA
 GCAGCAGCAGCAGTGAAGAAGGAACCACGCCTGGTCTCAAAGCAGACTATCTCTAGCTACTACCAC
 TGCACGATTCAAGTGTGGAGCTCTAGCAAATAACTCCTACCTCTTACACCCCGGGCTCAAGAGACTTCT
 CTGCCAGCTTCTAAGCAGGCTAATCCACCGCCAGGAAGTGAAGTTTTTCAGCTGCCAGAAGTGTGAGGCTG
 TGGCTGGGTGCTCATCGGGGCTGGAGCTTAGCTCCAGGGGACGAGGACAAGCCCTATAAATGCCAGCT
 GTGCCGATCTGCCTTCCGTTATAAGGGCAACTTGCTAGTCCAGGCACGGTGCACACAGGGGAAAAGCCC
 TACCGCTGCTCCATCTGCGGAGCAGTTTTAAACCGACCTGCTAACCTAAAAACACACAGCCGATCCATT
 CCGGAGAGAAACCGTACAAGTGTGAGACCTGCGGCTCGGTTTTGTTGAGTGGCAGCACACCTACGCGCAC
 CGTGCTCATCCACACCGGAGAGAAGCCCTATCCGTGTCCACCTGCGGAACCCGCTTCCGCCATCTACAG
 ACCCTCAAAGCCAGTTCGCATCCACACCGGGGAGAAGCCATACCCTGTGACCCTGCGGCTGCATT
 TTCGGCACAAGAGTCAACTGCGGCTGCATCTGCGTCAAGAACACGGGCGAGCTACCAACTAAAGTGC
 CTACCACATCCTCGGGGACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220297 protein sequence
 Red=Cloning site Green=Tags(s)

MGSTAAPEGALGYVREFTRHSSDVLNLSLNLRLRGLTDVTLVGGQPLRAHKAVLIACSGFFYSIFRGR
 AGLGVDVLSLPGGPEARGFAPLLDFMYTSRLRLSPATAPAVLAAATYLMQEHVVQACHRFIQASYEPLGI
 SLRPVEVEPPRPPTVAPPGSPRRSEGHDPPTESRSCSQGSPSPASDPKACNWKYKFIIVNSQTSQAG
 SLVGESSQPCPQARLPSGDEACSSSSSEEGTTPGLQSRLSLATTTARFKCGALANNSYLFTPRAQETS
 LPASKQANPPPGSEFFSCQNCEAVAGCSSGLELLAPGDEDKPYKQQLCRSAFRYKGNLASHRTVHTGEKP
 YRCSICGARFNRPANLKHRSIHSGEKPYKCETCGSRFVQVAHLRAHVL IHTGEKPYPCPTCGTRFRHLQ
 TLKSHVRIHTGEKPYHCDPCGLHFRHKSQRLRLHLRQKHGAATNTKVRYHILGGP

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_007528

ORF Size: 1425 bp

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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_007528.3](#), [NP_031554.1](#)

RefSeq Size: 3426 bp

RefSeq ORF: 1425 bp

Locus ID: 12029

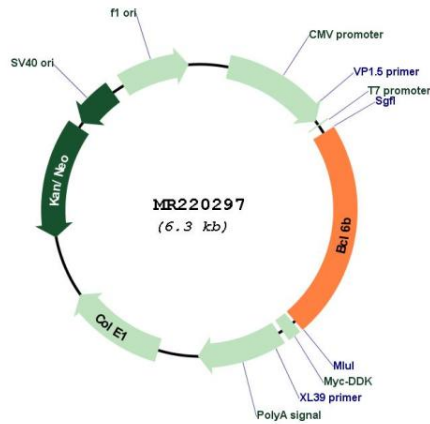
UniProt ID: [O88282](#)

Cytogenetics: 11 B3

MW: 51.3 kDa

Gene Summary: Acts as a sequence-specific transcriptional repressor in association with BCL6. Necessary for activation of naive T-cells to antigenic stimulation. May attenuate the regulatory effect of BCL6 on antigenic activation of naive CD4 T-cells by forming a heterodimer with BCL6. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220297