

Product datasheet for **MG220297**

Bcl6b (NM_007528) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Bcl6b (NM_007528) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Bcl6b |
| Synonyms: | Bazf |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG220297 representing NM_007528
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTCCACAGCGGCCCCAGAGGGAGCTCTGGGCTACGTCGAGAGTTCACCCGCCACTCTCCGACG
 TGCTTAGCAATCTGAATGAGCTGCGCCTGCGCGGGATCCTCACTGACGTACGCTGCTGGTTGGCGGGCA
 ACCCTAAGAGCGCACAAAGGCAGTTCTTATCGCTTGCAGTGGCTTCTTCTATTCAATTTCCGGGGCCGA
 GCGGGACTCGGGGTGGATGTACTCTCTCTGCCGGGGGGCCAGAAGCCAGAGGCTTTGCTCTTCTGG
 ACTTCATGTATACTTCAAGGCTTCGCTCTCTCCAGCCACTGCCCCAGCTGTCTCGCAGCTGCCACCTA
 TTTGCAGATGGAACACGTAGTCCAGGCGTGTACCCTTTCATCCAAGCCAGCTATGAACCTCTAGGCATC
 TCCTTGCACCTGTGGAGGTAGAACCCCAAGACCCCAACAGTCGCTCCACCAGGCAGTCCAGGGCGCT
 CAGAAGGACACCCAGACCCACTACTGAGTCTCGAAGTCGAGTCAAGGTTCCCAAGTCCAGCCAGCCC
 AGACCCCAAGGCCTGCAACTGGAATAAATAAAATTTATTGTGCTAAATTCTCAGACCTCACAAGCAGGA
 AGCCTGGTTGGGAGAGTTCAGGTCAACCTTGTCCCAGGCCAGGCTCCCTAGTGGAGATGAAGCCTGTA
 GCAGCAGCAGCAGTGAAGAAGGAACCACGCCTGGTCTCAAAGCAGACTATCTCTAGCTACTACCAC
 TGCACGATTCAAGTGTGGAGCTCTAGCAAATAACTCCTACCTCTTACACCCCGGGCTCAAGAGACTTCT
 CTGCCAGCTTCTAAGCAGGCTAATCCACCGCCAGGAAGTGAAGTTTTTCAGCTGCCAGAAGTGTGAGGCTG
 TGGCTGGGTGCTCATCGGGGCTGGAGCTTAGCTCCAGGGGACGAGGACAAGCCCTATAAATGCCAGCT
 GTGCCGATCTGCCTTCCGTTATAAGGGCAACTGGCTAGTACCACCGGTGCACACAGGGGAAAAGCCC
 TACCGCTGCTCCATCTGCGGAGCAGTTTTAACCAGCTGCTAACCTAAAAACACACAGCCGCATCCATT
 CCGGAGAGAAAACCGTACAAGTGTGAGACCTGCGGCTCGCGTTTTTGTTCAGGTGGCACACCTACGCGACA
 CGTGCTCATCCACACCGGAGAGAAGCCCTATCCGTGTCCACCTGCGGAACCCGCTTCCGCCATCTACAG
 ACCCTCAAAGCCACGTTTCGATCCACACCGGGGAGAAGCCATACCCTGTGACCCTGCGGCCTGCATT
 TTCGGCACAAGAGTCAACTGCGGCTGCATCTGCGTCTCAGAAACACGGGCAGCTACCAACTAAAGTGC
 CTACCACATCCTCGGGGACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220297 representing NM_007528
 Red=Cloning site Green=Tags(s)

MGSTAAPEGALGYVREFTRHSSDVL SNLNELRLRGILTDVTLLVGGQPLRAHKAVLIACSGFFYSIFRGR
 AGLGVDVLSLPGGPEARGFAPLLDFMYTSRLRLSPATAPAVLAAATYLQMEHVQACHRFIQASYEPLGI
 SLRPVEVEPPRPPTVAPPGSPRRSEGHDPPTESRSCSQGSPSPASDPKACNWKYKFIVLNSQTSQAG
 SLVGESSQPCPQARLPSGDEACSSSSSEEGTTPGLQSRSLATTTARFKCGALANNSYLFTPRAQETS
 LPASKQANPPPGSEFFSCQNCFAVAGCSSGLELLAPGDEDKPYKCQLCRSAFRYKGNLASHRTVHTGEKP
 YRCSICGARFNRPANLKTSHRIHSGEKPYKCETGSRFVQVAHLRAHVL IHTGEKPYPCPTCGTRFRHLQ
 TLKSHVRIHTGEKPYHCDPCGLHFRHKSQRLRLHLRQKHGAATNTKVRYHILGGP

TRTRPLE - GFP Tag - V

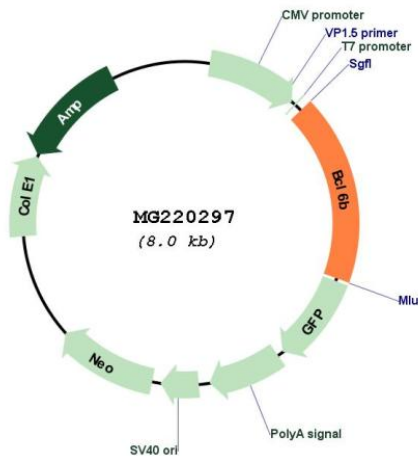
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_007528

ORF Size: 1422 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

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]