

Product datasheet for **MG202084**

Bcl7b (BC011471) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcl7b (BC011471) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Bcl7b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202084 representing BC011471
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCGGCCGTTCCGGTCCGGGCCGAGACCCGTAGCCGGGCTAAAGATGACATCAAGAAGGTGATGGCGG
 CCATCGAGAAAGTGCAGAAATGGGAGAAGAAATGGGTGACTGTGGGTGATACCTCCCTGAGGATATTCAA
 ATGGGTGCCTGTGACAGATAGCAAGGAGAAAGAAAAGTCAAAATCGAATAATACAGCAGCCCGGGAACCT
 AATGGCTTCCCTCTGACGCCTCAGCCAATTCCTCCCTCCTTGAATCCAGGATGAGAACAGCAACC
 AGAGCTCTGTGCGGATGTCTATCAACTCAAGGTGGACAGCAGCACCAACTCAAGTCCCAGCCCCAGCA
 GAGCGAGTCCCTGAGCCAGCACACCTCAGACTTCCGCACTGATGACTCCAGCCCCCACATTGGGC
 CAGGAGATCCTGGAGAACCTTCGCTGCCTGCATCTGAAGTTGCAGATGAACCTCCACACTCACAAGG
 AAGAGCCAGTCCGGTGGAGACACAGCAACTGAGGAAGAGGAGGACTCTGGTGCTCCGCCCTTGAAGAG
 ATTCTGTGTGGACCAACCTGTAGTACCGCAGACCACGTCGAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202084 representing BC011471
 Red=Cloning site Green=Tags(s)
 MSGRSVRAETRSRAKDDIKKVMAAIEKVRKWEKKWVTVGDTSLRIFKWPVTDSSKEKEKSKSNNTAAREP
 NGFPDASANSLLLLLEFQDENSQSSVSDVYQLKVDSSSTNSSPSPQSESLSPAHTSDFRTDDSQPPTLG
 QEILEEPSLPASEVADEPPTLKEEPVPVETQTTEEEEDSGAPPLKRFVCVDQPVVPQTTSSES

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

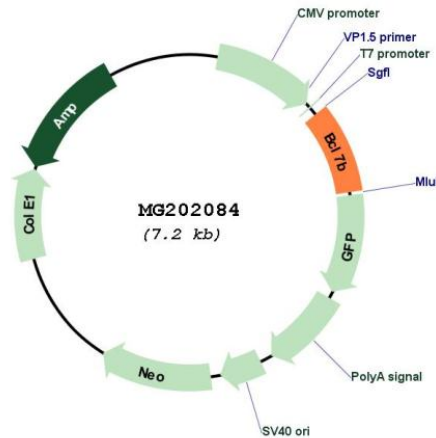


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Cloning Scheme:



Plasmid Map:



ACCN: BC011471

ORF Size: 608 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:	<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>BC011471, AAH11471</u>
RefSeq Size:	1638 bp
RefSeq ORF:	608 bp
Locus ID:	12054
Cytogenetics:	5 G2
Gene Summary:	Positive regulator of apoptosis. Plays a role in the Wnt signaling pathway, negatively regulating the expression of Wnt signaling components CTNNB1 and HMGA1 (By similarity). Involved in cell cycle progression, maintenance of the nuclear structure and stem cell differentiation (By similarity). May play a role in lung tumor development or progression. [UniProtKB/Swiss-Prot Function]