

Product datasheet for **MR202084**

Bcl7b (NM_009745) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcl7b (NM_009745) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bcl7b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202084 representing NM_009745
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCCGGCCGTTTCGGTCCGGGCCGAGACCCGTAGCCGGGCTAAAGATGACATCAAGAAGGTGATGGCGG
 CCATCGAGAAAGTGCAGAAATGGGAGAAGAAATGGGTGACTGTGGGTGATACCTCCCTGAGGATATTTCAA
 ATGGGTGCCTGTGACAGATAGCAAGGAGAAAGAAAAGTCAAAATCGAATAATACAGCAGCCCGGAACT
 AATGGCTTCCCTCTGACGCCTCAGCCAATTCCTCCCTCCTTGAATTCCAGGATGAGAACAGCAACC
 AGAGCTCTGTGTCGGATGTCTATACTCAAGGTGGACAGCAGCACCACCACTCAAGTCCCAGCCCCAGCA
 GAGCGAGTCCCTGAGCCAGCACACCTCAGACTTCCGCACTGACTCCCAGCCCCACATTGGGC
 CAGGAGATCCTGGAGAACCTTCGCTGCCTGCATCTGAAGTTGCAGATGAACCTCCACACTCACAAAGG
 AAGAGCCAGTGCCGGTGGAGACAGACCACTGAGGAAGAGGAGGACTCTGGTGTCCGCCCTTGAAGAG
 ATTCTGTGTGGACCAACCTGTAGTACCGCAGACCACGTCGAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202084 representing NM_009745
Red=Cloning site Green=Tags(s)

MSGRSVRAETRSRAKDDIKKVMAAIEKVRKWEKKWVTVGDTSLRIFKWVPVTDSSKEKEKSKSNNTAAREP
 NGFPSDASANSSLLLEFQDENSNQSSVSDVYQLKVDSSSTNSSPSPQSESLSPAHTSDFRTDDSQPPTLG
 QEILEEPSLPASEVADEPPTLTKEEPVPVETQTTEEEEDSGAPPLKRFVCVDQPVVPQTTSSES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9057_c07.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009745

ORF Size: 606 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_009745.2](#), [NP_033875.2](#)

RefSeq Size: 1678 bp

RefSeq ORF: 609 bp

Locus ID: 12054

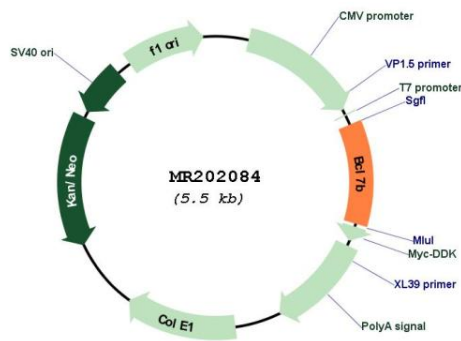
UniProt ID: [Q921K9](#)

Cytogenetics: 5 G2

MW: 22.2 kDa

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]

Product images:



Circular map for MR202084