

## Product datasheet for **RG201696**

### **BCL7B (NM\_001707) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BCL7B (NM\_001707) Human 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:** >RG201696 representing NM\_001707  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCGGGCGGTTCGGTCCGGGCGGAGACCCGCAGCCGGGCCAAGGACGACATCAAGAAGGTGATGGCGG  
 CCATCGAGAAAGTGCAGAAATGGGAGAAGAAGTGGGTGACTGTGGGTGACACGTCCTGAGGATATTTAA  
 GTGGGTTCTGTGACAGACAGCAAGGAGAAAGAAAAGTCAAAATCGAACAGTTTCCAGCAGCCCGAGAACCT  
 AATGGCTTCTCTGATGCCTCAGCAATTCCTCTCCTTCTTGAATCCAGGACGAAAACAGCAACC  
 AGAGTTCGGTGTCTGACGTCTATCAGCTTAAGGTGGACAGCAGCACCAACTCAAGCCCCAGCCCCAGCA  
 GAGTGAGTCCCTGAGCCAGCACACACCTCCGACTTCCGCACGGATGACTCCAGCCCCAACGCTGGGC  
 CAGGAGATCCTGGAGGAGCCCTCCTGCCTCCTCGGAAGTTGCTGATGAACCTCCTACCCTCACCAAGG  
 AAGAACCAGTTCCACTAGAGACACAGGTCGTTGAGGAAGAGGAAGACTCAGGTGCCCGCCCTGAAGCG  
 CTTCTGTGTGGACCAACCCACAGTGCCGCAGACGGCGTCAGAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201696 representing NM\_001707  
Red=Cloning site Green=Tags(s)

MSGRSVRAETRSRAKDDIKKVMAAIEKVRKWEKKWVTVGDTSLRIFKWPVTDSSKEKEKSKSNSSAAREP  
 NGFPSDASANSSLLLEFQDENSNQSSVSDVYQLKVDSSSTNSSPSPQSESLSPAHTSDFRTDDSQPPTLG  
 QEILEEPSLPSSEVADEPPTLKEEPVPLETQVVEEEDSGAPPLKRFVCVDQPTVPQTASES

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001707

**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\\_001707.4](#)

**RefSeq Size:** 1690 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 9275

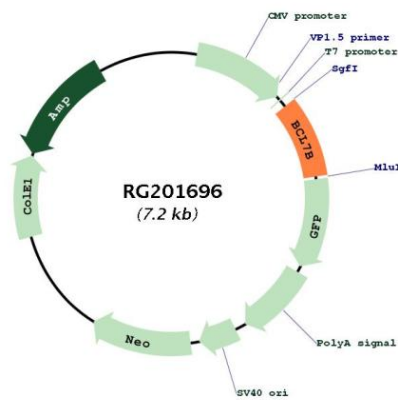
**UniProt ID:** [Q9BQE9](#)

Cytogenetics: 7q11.23

Domains: BCL\_N

Gene Summary: This gene encodes a member of the BCL7 family including BCL7A, BCL7B and BCL7C proteins. This member is BCL7B, which contains a region that is highly similar to the N-terminal segment of BCL7A or BCL7C proteins. The BCL7A protein is encoded by the gene known to be directly involved in a three-way gene translocation in a Burkitt lymphoma cell line. This gene is located at a chromosomal region commonly deleted in Williams syndrome. This gene is highly conserved from *C. elegans* to human. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2010]

## Product images:



Circular map for RG201696