

## Product datasheet for **SC108975**

### **bcl 6 (BCL6) (NM\_138931) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	bcl 6 (BCL6) (NM_138931) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCL6
Synonyms:	BCL5, LAZ3, BCL6A, ZNF51, ZBTB27
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_138931, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCGCCGGCTGACAGCTGTATCCAGTTCACCCGCCATGCCAGTGATGTTCTTCTCAACCTTAATC
GTCTCCGGAGTCGAGACATCTTGACTGATGTTGTCATTGTTGTGAGCCGTGAGCAGTTTAGAGCCATAA
AACGGTCCTCATGGCCTGCAGTGGCCTGTTCTATAGCATCTTACAGACCAGTTGAAATGCAACCTTAGT
GTGATCAATCTAGATCCTGAGATCAACCCTGAGGGATTCTGCATCCTCCTGGACTTCATGTACACATCTC
GGCTCAATTTGCGGGAGGGCAACATCATGGCTGTGATGGCCACGGCTATGTACCTGCAGATGGAGCATGT
TGTGGACACTTGCCGGAAGTTTATTAAGGCCAGTGAAGCAGAGATGGTTTCTGCCATCAAGCCTCCTCGT
GAAGAGTTCCTCAACAGCCGGATGCTGATGCCCAAGACATCATGGCCTATCGGGGTCGTGAGGTGGTGG
AGAACAACCTGCCACTGAGGAGCGCCCTGGGTGTGAGAGCAGAGCCTTGGCCCCAGCCTGTACAGTGG
CCTGTCCACACCGCCAGCCTCTATTCCATGTACAGCCACCTCCCTGTCAGCAGCCTCCTCTTCTCCGAT
GAGGAGTTTCGGGATGTCGGATGCCTGTGGCCAACCCCTTCCCCAAGGAGCGGGCACTCCCATGTGATA
GTGCCAGGCCAGTCCCTGGTGAGTACAGCCGGCCGACTTGGAGGTGTCCCCAATGTGTGCCACAGCAA
TATCTATTACCCAAGGAAACAATCCCAGAAGAGGCACGAAGTGATATGCACTACAGTGTGGCTGAGGGC
CTCAAACCTGCTGCCCCCTCAGCCCGAAATGCCCCCTACTTCCCTTGTGACAAGGCCAGCAAGAAGAAG
AGAGACCTCCTCGAAGATGAGATTGCCCTGCATTTGAGCCCCCAATGCACCCTGAACCGGAAGGG
TCTGGTTAGTCCACAGAGCCCCAGAAATCTGACTGCCAGCCAACTCGCCACAGAGTCTGCAGCAGT
AAGAATGCCTGCATCCTCCAGGCTTCTGGCTCCCTCCAGCCAAGAGCCCCACTGACCCCAAGCCTGCA
ACTGGAAGAAATACAAGTTCATCGTGCTAACAGCCTCAACCAGAATGCCAAACCAGAGGGGCTGAGCA
GGCTGAGCTGGGCCGCTTCCCCACGAGCCTACACGGCCCCACCTGCCTGCCAGCCACCCATGGAGCCT
GAGAACCCTTGACCTCCAGTCCCCAACCAAGCTGAGTGCCAGCGGGGAGGACTCCACCATCCACAAGCCA
GCCGGCTCAATAACATCGTTAACAGGTCCATGACGGGCTCTCCCCGAGCAGCAGCGAGAGCCACTCACC
ACTCTACATGCACCCCCGAAGTGCACGTCCTGCGGCTCTCAGTCCCCACAGCATGCAGAGATGTGCCTC
CACACCGCTGGCCCCACGTTCCCTGAGGAGATGGGAGAGACCCAGTCTGAGTACTCAGATTCTAGCTGTG
AGAACGGGGCCTTCTTCTGCAATGAGTGTGACTGCCGCTTCTCTGAGGAGGCTCACTCAAGAGGCACAC
GCTGCAGACCCACAGTGACAAACCCTACAAGTGTGACCGCTGCCAGGCCTCCTTCCGCTACAAGGGCAAC
CTCGCCAGCCACAAGACCGTCCATACCGGTGAGAAACCCTATCGTTGCAACATCTGTGGGGCCAGTTCA
ACCGGCCAGCCAACCTGAAAACCCACACTCGAATTCACCTCTGGAGAGAAGCCCTACAAATGCGAAACCTG
CGGAGCCAGATTTGTACAGGTGGCCACCTCCGTGCCATGTGCTTATCCACACTGGTGAGAAGCCCTAT
CCCTGTGAAATCTGTGGCACCCGTTCCCGCACCTTCAGACTCTGAAGAGCCACCTGCGAATCCACACAG
GAGAGAAACCTTACCATTGTGAGAAGTGTAACTGCATTTCCGTCAAAAAGCCAGCTGCGACTTCACTT
GCGCCAGAAGCATGGCGCCATCACCAACACCAAGGTGCAATACCGCGTGTGAGCCACTGACCTGCCTCCG
GAGTCCCCAAAGCCTGCTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_138931 unedited  
 AGTTACATTTGTATACGACTCACTTAGGCGGCCGCGATTTCGCACGAGAACTCCCCTCC  
 CATGTGTCTTCAGCTTTCTTTTGCAAAGGAGAAAAATCCTTGAAGTTTGGTAAAGACCGAG  
 TTAGTCTATCTCTCTTTGCCTATCTCGAGTTGGGCTGGGGAGAGGAGGATAGTTTCTT  
 TTGTCTTTTTCTGTCTTCCCTTCCCCACTTCCCTCCCTCCAGTCCCCACTCACTCACA  
 TGCACACACTAACCTTGGAGCCGATGGGATTGAGTGACTGGCACTTGGGACCACAGAGAA  
 ATGTCAGAGTGTGGTTACAGACTCAAGGAAACCTCTCATTTTAGAGTGCTCATTGGT  
 TTTGAGCAAAAATTTGGACTGTGAAGCAAGGCATTGGTGAAGACAAAATGGCCTCGCCGG  
 CTGACAGCTGTATCCAGTTCACCCGCCATGCCAGTGATGTTCTTCAACCTTAATCGTC  
 TCCGGAGTCGAGACATCTTGACTGATGTTGTCATTGTTGTGAGCCGTGAGCAGTTTAGAG  
 CCCATAAACGGTCCCTCATGGCCTGCAGTGGCCTGTTCTATAGCATCTTACAGACCAGT  
 TGAAATGCAACCTTAGTGTGATCAATCTAGATCCTGAGATCAACCCTGAGGGATTCTGCA  
 TCCTCCTGGACTTCATGTACACATCTCGGCTCATTTTGCGGGAGGGCAACATCATGGCTG  
 TGATGGCCACGGCTATGTACCTGCAGATGGAGCATGTTGTGACACTTGCCGNAGTTTAT  
 TANGCCAGTGAAGCAGAGATGGTTTCTGCCATCAAGCCTCCTCGTGAAGAGTTCTTAC  
 AGCCGGATGCTGATGCCCAAGACATCATGGCCTATCGGGTCTGGAAGTGGTGGAGGAA  
 A

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_138931 unedited  
 CAGTTAAAACCTTTTTTTTTTTTTGACTTTTCAACTTTTATTCTTATATTTGTACAGCT  
 ATATTTTACAACGCGGTAATGCAGTTTAGACACAGCCAAACCCTGTCTCCGGAGTAGTTA  
 TAACACAAGCATGACGCAGAATGGGATGAGACAAACATTCACAAAAAGAGTTTAGTTAGT  
 AACAACTTCAAGTCCCTGTGTCTGCCTACACTTCAAAAAGGGATGGTGCACGCTCGCCCA  
 TCATTGAAAACCTCCGTGAAAAAAGGCACCGTGAGGACACGTTGTACGGGTATATACAAA  
 CTGAAAAC TAGAACAAAATTACACATTTTTCTTCTGCAGATTTTTTTGTTCTTTTTGTT  
 TTTTTTAACACTTTGTAATTTGTAACCTTCACTTGCAAAAAAATACAAATACACT  
 GAGGCATTTTAGACAAAATTTTTCTTACTTATACAGATGCAATACTTAAATATTTCTCT  
 TAAGTGCTCTTTCTCAATAAAGATTCTCAGATCCGTGTCTGCCTGCAGATACAAAATCGA  
 GCCTTTAACGCAGTTTTATTTTTAATATATCTTTTTTAGGTTTATATATATTTATTTT  
 ATATATATATATATTTATATATTTACAACCTTGCCATATATTCCTTCCCTTTGGTTA  
 AAAAAATTAAGCCCTCTTTTGACAACATACTGAAGTCTTGTCTTTTAAAGATGCACA  
 TTTACATACAAAAGATACATCTGTTCCCAAAAACATATACATTCTCATTGTCAGACT  
 AAAGTCAAGTCAGAACTTTGCATACTCCCTGCTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_138931

**Insert Size:**

4000 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_138931.1, NP_620309.1</u>
<b>RefSeq Size:</b>	3630 bp
<b>RefSeq ORF:</b>	2121 bp
<b>Locus ID:</b>	604
<b>Cytogenetics:</b>	3q27.3
<b>Domains:</b>	BTB, zf-C2H2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a zinc finger transcription factor and contains an N-terminal POZ domain. This protein acts as a sequence-specific repressor of transcription, and has been shown to modulate the transcription of STAT-dependent IL-4 responses of B cells. This protein can interact with a variety of POZ-containing proteins that function as transcription corepressors. This gene is found to be frequently translocated and hypermutated in diffuse large-cell lymphoma (DLCL), and may be involved in the pathogenesis of DLCL. Alternatively spliced transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (2) contains a different 5' UTR than variant 1. It encodes a protein identical to that encoded by variant 1.</p>