

## Product datasheet for **SC108974**

### **bcl 6 (BCL6) (NM\_001706) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	bcl 6 (BCL6) (NM_001706) Human Untagged Clone
Tag:	Tag Free
Symbol:	bcl 6
Synonyms:	BCL5; BCL6A; LAZ3; ZBTB27; ZNF51
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001706 edited  
 ATGGCCTCGCCGGCTGACAGCTGTATCCAGTTCACCCGCCATGCCAGTGATGTTCTTCTC  
 AACCTTAATCGTCTCCGGAGTCGAGACATCTTGACTGATGTTGTCATTGTTGTGAGCCGT  
 GAGCAGTTTAGAGCCATAAAACGGTCTCATGGCCTGCAGTGGCCTGTTCTATAGCATC  
 TTTACAGACCAGTTGAAATGCAACCTTAGTGTGATCAATCTAGATCCTGAGATCAACCT  
 GAGGGATTCTGCATCCTCCTGGACTTCATGTACACATCTCGGCTCAATTTGCGGGAGGGC  
 AACATATGGCTGTGATGGCCACGGCTATGTACCTGCAGATGGAGCATGTTGTGGACACT  
 TGCCGGAAGTTTATTAAGGCCAGTGAAGCAGAGATGGTTTCTGCCATCAAGCCTCCTCGT  
 GAAGAGTTCCTCAACAGCCGGATGCTGATGCCCAAGACATCATGGCCTATCGGGTTCGT  
 GAGGTGTTGAGAAACAACCTGCCACTGAGGAGCGCCCTGGGTGTGAGAGCAGAGCCTTT  
 GCCCCAGCCTGTACAGTGGCCTGTCCACACCGCCAGCCTCTTATTCCATGTACAGCCAC  
 CTCCTGTGACGAGCCTCCTCTTCTCCGATGAGGAGTTTCGGGATGTCCGGATGCCTGTG  
 GCCAACCCCTTCCCAAGGAGCGGGCACTCCCATGTGATAGTGCCAGGCCAGTCCCTGGT  
 GAGTACAGCCGGCCGACTTTGGAGGTGTCCCCAATGTGTGCCACAGCAATATCTATTCA  
 CCCAAGGAAACAATCCCAGAAGAGGCACGAAGTATGACTACAGTGTGGCTGAGGGC  
 CTCAAACCTGCTGCCCCCTCAGCCCGAAATGCCCCCTACTTCCCTTGTGACAAGGCCAGC  
 AAAGAAGAAGAGAGACCCTCCTCGGAAGATGAGATTGCCCTGCATTTGAGCCCCCAAT  
 GCACCCCTGAACCGGAAGGGTCTGGTTAGTCCACAGAGCCCCAGAAATCTGACTGCCAG  
 CCCAACTCGCCACAGAGTCTGACAGCAGTAAGAATGCCTGCATCCTCCAGGCTTCTGGC  
 TCCCTCCAGCCAAGAGCCCCACTGACCCCAAAGCCTGCAACTGGAAGAAATAACAAGTTC  
 ATCGTGTCAACAGCCTCAATCAGAATGCCAAACCAGAGGGGCTTGAGCAGGCTGAGCTG  
 GGCCGCCTTTCCACAGAGCCTACACGGCCCCACCTGCCTGCCAGCCACCCATGGAGCCT  
 GAGAAGCTTGACCTCCAGTCCCCAACCAAGCTGAGTGCCAGCGGGGAGGACTCCACCATC  
 CCACAAGCCAGCCGGCTCAATAACATCGTTAACAGGTCCATGACGGGCTCTCCCCGAGC  
 AGCAGCGAGAGCCACTCACCCTTACATGCACCCCCGAAGTGCACGTCTGCGGCTCT  
 CAGTCCCCACAGCATGCAGAGATGTGCCTCCACACCGCTGGCCCCACGTTCCCTGAGGAG  
 ATGGGAGAGACCCAGTCTGAGTACTCAGATTCTAGCTGTGAGAACGGGGCCTTCTTCTGC  
 AATGAGTGTGACTGCCGTTCTCTGAGGAGGCCTCACTCAAGAGGCACACGCTGCAGACC  
 CACAGTGACAAACCCTACAAGTGTGACCCTGCCAGGCCTCCTCCGCTACAAGGGCAAC  
 CTCGCCAGCCACAAGACCGTCCATACCGGTGAGAAACCTATCGTTGCAACATCTGTGGG  
 GCCAGTTCAACCGGCCAGCCAACCTGAAAACCCACACTCGAATTCACCTTGAGAGAGAAG  
 CCTACAATGCGAAACCTGCGGAGCCAGATTTGTACAGGTGGCCACCTCCGTGCCCAT  
 GTGCTTATCCACACTGGTGAGAAGCCCTATCCCTGTGAAATCTGTGGCACCCGTTTCCGG  
 CACCTTACAGACTGAAGAGCCACCTGCGAATCCACACAGGAGAGAAACCTTACCATTGT  
 GAGAAGTGAACCTGCATTTCCGTACAAAAGCCAGCTGCGACTTCACTTGCGCCAGAAG  
 CATGGCGCCATCACCAACACCAAGGTGCAATACCGGTGTGAGCCACTGACCTGCCTCCG  
 GAGTCCCCAAAGCCTGCTGA

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_001706  
**Insert Size:** 2100 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
<b>Components:</b>	<p>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).</p>
<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>	<a href="#">NM_001706.2</a> , <a href="#">NP_001697.2</a>
<b>RefSeq Size:</b>	3537 bp
<b>RefSeq ORF:</b>	2121 bp
<b>Locus ID:</b>	604
<b>UniProt ID:</b>	<a href="#">P41182</a>
<b>Cytogenetics:</b>	3q27.3
<b>Domains:</b>	BTB, zf-C2H2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Gene Summary:**

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]  
Transcript Variant: This variant (1) and variant 2 encode the same isoform (1).