

Product datasheet for **SC325294**

bcl 6 (BCL6) (NM_001130845) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: bcl 6 (BCL6) (NM_001130845) Human Untagged Clone
Tag: Tag Free
Symbol: bcl 6
Synonyms: BCL5; BCL6A; LAZ3; ZBTB27; ZNF51
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001130845 edited
TAAACTCCCCTCCCATGTGCTTCAGCTTTCTTTTGCAAAGGAGAAAATCCTTGAAGTT
TGGTAAAGACCGAGTTAGTCTATCTCTCTTTGCCTATCTCGAGTTGGGCTGGGGAGAGGA
GGAGATAGGTTCTTTTGTCTTTTCTGTCTTCTCCCTTCCCCTTCCCTCCAGTC
CCCCTCACTCACATGCACACACTAACCTTGGAGCCGATGGGATTGAGTGACTGGCACTT
GGGACCACAGAGAAATGTCAGAGTGTGGTTACAGACTCAAGGAAACCTCTCATTTTGTAG
AGTGCTCATTTGGTTTTGAGCAAATTTGGACTGTGAAGCAAGGCATTGGTGAAGACAA
AATGGCCTCGCCGGCTGACAGCTGTATCCAGTTCACCCGCCATGCCAGTGATGTTCTTCT
CAACCTTAATCGTCTCCGGAGTCGAGACATCTTGACTGATGTTGTCATTGTTGTGAGCCG
TGAGCAGTTTAGAGCCCATAAAACGGTCTCATGGCCTGCAGTGGCCTGTTCTATAGCAT
CTTTACAGACCAGTTGAAATGCAACCTTAGTGTGATCAATCTAGATCCTGAGATCAACCC
TGAGGGATTCTGCATCCTCCTGGACTTCATGTACACATCTCGGCTCAATTTGCGGGAGGG
CAACATCATGGCTGTGATGGCCACGGCTATGTACCTGCAGATGGAGCATGTTGTGGACAC
TTGCCGGAAGTTTATTAAGGCCAGTGAAGCAGAGATGGTTTCTGCCATCAAGCCTCCTCG
TGAAGAGTTTCTCAACAGCCGGATGCTGATGCCCAAGACATCATGGCCTATCGGGGTGCG
TGAGGTGGTGGAGAACAACCTGCCACTGAGGAGCGCCCTGGGTGTGAGAGCAGAGCCTT
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CCTCCCTGTGAGCAGCCTCCTCTTCTCCGATGAGGAGTTTCGGGATGTCGGGATGCCTGT
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TGAGTACAGCCGCGCACTTTGGAGGTGTCCCAATGTGTGCCACAGCAATATCTATTTC
ACCCAAGGAAACAATCCCAGAAGAGGCACGAAGTGATATGCACTACAGTGTGGCTGAGGG
CCTCAAACCTGTGCCCTCAGCCGAAATGCCCTACTTCCCTTGTGACAAGGCCAG
CAAAGAAGAAGAGAGACCCTCCTCGGAAGATGAGATTGCCCTGCATTTGAGCCCCCAA
TGCACCCCTGAACCGGAAGGGTCTGGTTAGTCCACAGAGCCCCAGAAATCTGACTGCCA
GCCCAACTCGCCACAGAGTCTGCAGCAGTAAGAATGCCTGCATCCTCCAGGCTTCTGG
CTCCCTCCAGCCAAGAGCCCCACTGACCCAAAGCCTGCAACTGGAAGAAATACAAGTT
CATCGTGCTCAACAGCCTCAATCAGAATGCCAAACCAGAGGGCCTGAGCAGGCTGAGCT



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GGGCCGCCTTTCCCCACGAGCCTACACGGCCCCACCTGCCTGCCAGCCACCCATGGAGCC
TGAGAACCTTGACCTCCAGTCCCCAACCAAGCTGAGTGCCAGCGGGGAGGACTCCACCAT
CCCACAAGCCAGCCGGCTCAATAACATCGTTAACAGGTCCATGACGGGCTCTCCCCGAG
CAGCAGCGAGAGCCACTCACCCTCTACATGCACCCCCGAAGTGACAGTCTGCGGCTC
TCAGTCCCCACAGCATGCAGAGATGTGCCTCCACACCGCTGGCCCCACGTTCCCTGAGGA
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CAATGAGTGTGACTGCCGCTTCTCTGAGGAGGCCTCACTCAAGAGGCACACGCTGCAGAC
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CCTCGCCAGCCACAAGACCGTCCATACCGGTGAGAAACCCTATCGTTGCAACATCTGTGG
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GCCCTACAAATGCGAAACCTGCGGAGCCAGATTTGTACAGGTGGCCACCTCCGTGCCCA
TGTGCTTATCCACTGGTGAGAAGCCCTATCCCTGTGAAATCTGTGGCACCCGTTCCG
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GCATGGCGCCATACCAACACCAAGGTGCAATACCGCGTGTGAGCCACTGACCTGCCTCC
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CAGAATCTACCCAAAGGATACTGTAACACTTTACAATGTTTCATCCCATGATGTAGTGCT
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CCTAAAAAAGATATATTAATAAATAAATAACTGCGTTAAAGGCTCGATTTTGTATCTGCAG
GCAGACACGGATCTGAGAATCTTTATTGAGAAAGAGCACTTAAGAGAATATTTAAGTAT
TGCATCTGTATAAGTAAGAAAATATTTTGTCTAAAATGCCTCAGTGTATTTGTATTTTT
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CCTTTTTGAAGTGTAGGCAGACACAGGGACTTGAAGTTGTTACTAACTAACTCTCTTT
GGGAATGTTTGTCTCATCCATTCTGCGTCATGCTTGTGTATAACTACTCCGGAGACAG
GGTTTGGCTGTGTCTAACTGCATTACCGCGTTGTAATAATATAGCTGTACAAATATAAGA
ATAAAATGTTGAAAAGTCAAAAAAAAAAAAA

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Restriction Sites: NotI-NotI
ACCN: NM_001130845
Insert Size: 3600 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001130845.1.

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_001130845.1](#), [NP_001124317.1](#)

RefSeq Size: 3662 bp

RefSeq ORF: 2121 bp

Locus ID: 604

UniProt ID: [P41182](#)

Cytogenetics: 3q27.3

Protein Families: 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 (2) has a downstream and alternate 5' UTR exon, as compared to variant 1.