

Product datasheet for **RG226063**

bcl 6 (BCL6) (NM_001134738) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	bcl 6 (BCL6) (NM_001134738) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	bcl 6
Synonyms:	BCL5; BCL6A; LAZ3; ZBTB27; ZNF51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226063 representing NM_001134738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCGCCGGCTGACAGCTGTATCCAGTTCACCCGCCATGCCAGTGTGTTCTTCTCAACCTTAATC
 GTCTCCGGAGTCGAGACATCTTGACTGATGTTGTCAATTGTTGTGAGCCGTGAGCAGTTTAGAGCCATAA
 AACGGTCTCATGGCCTGCAGTGGCCTGTTCTATAGCATCTTTACAGACCAGTTGAAATGCAACCTTAGT
 GTGATCAATCTAGATCCTGAGATCAACCCTGAGGGATTCTGCATCCTCCTGGACTTCATGTACACATCTC
 GGCTCAATTTGCGGGAGGGCAACATCATGGCTGTGATGGCCACGGCTATGTACCTGCAGATGGAGCATGT
 TGTGGACACTTGGCGGAAGTTTATTAAGGCCAGTGAAGCAGAGATGGTTTCTGCCATCAAGCCTCCTCGT
 GAAGAGTTCCTCAACAGCCGGATGCTGATGCCCAAGACATCATGGCCTATCGGGGTCGTGAGGTGGTGG
 AGAACAACTGCCACTGAGGAGCGCCCTGGGTGTGAGAGCAGAGCCTTTGCCCCAGCCTGTACAGTGG
 CCTGTCCACACCGCCAGCCTCTTATTCCATGTACAGCCACTCCTGTGCAGCAGCCTCCTTCTCCGAT
 GAGGAGTTTCGGGATGTCCGGATGCCTGTGGCCAACCCCTTCCCAAGGAGCGGGCACTCCCATGTGATA
 GTGCCAGGCCAGTCCCTGGTGTGATACAGCCGGCCGACTTTGGAGGTGTCCCCAATGTGTGCCACAGCAA
 TATCTATTACCCAAGGAAACAATCCCAGAAGAGGCACGAAGTATGCACTACAGTGTGGCTGAGGGC
 CTCAAACCTGTGCCCTCAGCCCGAAATGCCCTACTTCCCTGTGACAAGGCCAGCAAAGAAGAAG
 AGAGACCTCCTCGAAGATGAGATTGCCCTGCATTTGAGCCCCCAATGCACCCTGAACCGGAAGGG
 TCTGGTGTAGTCCACAGAGCCCCAGAAATCTGACTGCCAGCCAACTCGCCACAGAGTCTGCAGCAGT
 AAGAATGCCTGCATCCTCAGGCTTCTGGCTCCCTCCAGCCAAGAGCCCACTGACCCAAAGCCTGCA
 ACTGGAAGAAATAACAAGTTCATCGTGTCAACAGCCTCAACCAGAATGCCAAACAGAGGGGCTGAGCA
 GGCTGAGCTGGGCGCCTTTCCACAGAGCCTACACGGCCCACTGCCTGCCAGCCACCCATGGAGCCT
 GAGAACCTTGACCTCCAGTCCCCAACCAAGCTGAGTGCCAGCGGGGAGGACTCCACCATCCCAAGCCA
 GCCGGCTCAATAACATCGTTAACAGGTCCATGACGGGCTCTCCCGCAGCAGCAGCGAGAGCCACTCACC
 ACTCTACATGCACCCCCGAAGTGCACGTCTGCGGCTCTCAGTCCACAGCATGCAGAGATGTGCCTC
 CACACCGTGGCCCCACGTTCCCTGAGGAGATGGGAGAGACCCAGTCTGAGTACTCAGATTCTAGCTGTG
 GTGAGAAACCCTATCGTTGCAACATCTGTGGGGCCAGTTCACCCGCCAGCCAACCTGAAAACCCACAC
 TCGAATCACTCTGGAGAGAAGCCCTACAAATGCGAAACCTGCGGAGCCAGATTTGTACAGTGGCCAC
 CTCGTTGCCATGTGCTTATCCACTGGTGTGAGAACCCATCCCTGTGAAATCTGTGGCACCCTTTCC
 GGCACCTTCAGACTCTGAAGAGCCACTGCGAATCCACACAGGAGAGAAACCTTACCATTGTGAGAAGTG
 TAACCTGCATTTCCGTACAAAAGCCAGCTGCGACTTCACTTGCGCCAGAAGCATGGCGCCATCACCAAC
 ACCAAGGTGCAATACCGGTGTGAGCCACTGACCTGCCTCCGGAGCTCCCCAAAGCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226063 representing NM_001134738
 Red=Cloning site Green=Tags(s)

MASPADSCIQFTRHASDVLNLRNLRSDILTDVVIIVVSREQFRAHKTVLMACSGLFYSIFTDQLKCNLS
 VINLDPEINPEGFCILLDFMYTSRLNLRGNIMAVMATAMYLQMEHVVDTCRKFIKASEAEMVSAIKPPR
 EEFLNSRMLMPQDIMAYRGREVVNPLRSAPGCEsRAFAPSLYSGLSTPPASYSMYSHLPVSSLLFSD
 EEFRDVRMPVANPFPKERALPCDSARPVPGEYSRPTLEVSPNVCHSNIYSPKETIPEEARSDMHYSVAEG
 LKPAAPSARNAPYFPCDKASKEEERPSSEDEIALHFEPNAPLNRKGLVSPQSPQKSDCQPNsPTEsCSS
 KNACILQASGSPPAKSPTDPKACNWKYKFIVLNSLNQNAKPEGPEQAELGRLSPRAYTAPPACQPPMEP
 ENLDLQSPTKLSASGEDSTIPQASRLNNIvNRSMTGSPRSSESHSPLYMHPPKCTSCGSQPQHAEML
 HTAGPTFPEEMGETQSEYSDSSCGEKPYRCNICGAQFNRPANLKTHTRIHSGEKPYKTCETCGARFVQVAH
 LRAHVL IHTGEKPYPCIECGTRFRHLQTLKSHLRIHTGEKPYHCEKCNLHFRHKSQRLRLHLRQKHGAITN
 TKVQYRVSATDLPELPAK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_001134738

ORF Size: 1950 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_001134738.1](#), [NP_001128210.1](#)

RefSeq Size: 3086 bp

RefSeq ORF: 1953 bp

Locus ID: 604

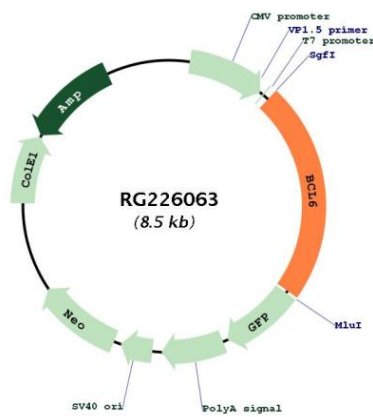
UniProt ID: [P41182](#)

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]

Product images:



Circular map for RG226063