

## Product datasheet for **SC310598**

### Bcl G (BCL2L14) (NM\_030766) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl G (BCL2L14) (NM_030766) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCL2L14
Synonyms:	BCLG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310598 representing NM_030766. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**  
ATGTGTAGCACCAGTGGGTGTGACCTGGAAGAAATCCCCCTAGATGATGATGACCTAAACACCATAGAA  
TTCAAAATCCTCGCTACTACACCAGACATCATGTCTTCAAGAGCACCCCTGCTCTTCTCACCAAAG  
CTGCTGAGAACAAGAAGTTTGTCCAGAGGGGCCGTTGGGAATTGTTGAGCAATGAGTCATGGACAGAG  
GTGTGATGGCCTTGCAGAAATCCCAATCCAGTGAGAAGGCCATAAACCTTGGCAAGAAAAAGTCTTCT  
TGGAAAGCATTCTTTGGAGTAGTGAGAAGGAAGATTCGCAGAGCACGCCTGCCAAGGTCTCTGCTCAG  
GGTCAAAGGACGTTGGAATACCAAGATTCGCACAGCCAGCAGTGGTCCAGGTGTCTTCTAACGTGGAG  
CAGTGCTTGGAGCATGAAGCTGTGGACCCAAAGTCATTTCCATTGCCAACCAGTAGCTGAAATGTT  
TACTCCTGGCCACCACCAAGCGACCCAGGCAGGAGGCTTCAAGTCAAAGAGATTTTTGTAACCTGAG  
GGTCTCTCCTTCCAGCTCCAAGGCCACGTGCCTGTAGCTTCAAGTTCTAAGAAAGATGAAGAAGACAA  
ATACTAGCCAAAATGTTGAGCTGCTGAAATATTCAGGAGATCAGTTGGAAGAAAGGACACTGCCTTC  
ATCCCCATTCCCTTGTTGACACCAGCATCCAGGGTTTCCACAGGATGGTTTGATGGCCTGCATTGA

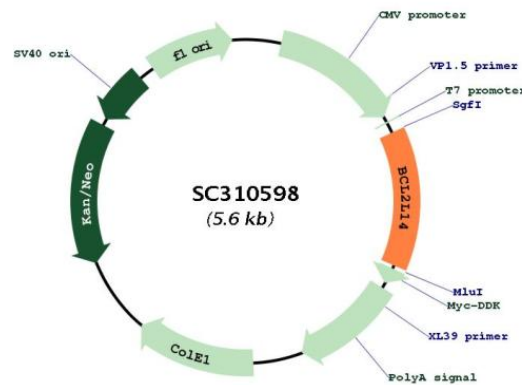
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**



**ACCN:** NM\_030766

**Insert Size:** 759 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).

**OTI Annotation:** 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.

**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\\_030766.1](#)

**RefSeq Size:** 2039 bp

RefSeq ORF: 759 bp

Locus ID: 79370

UniProt ID: [Q9BZR8](#)

Cytogenetics: 12p13.2

Protein Families: Druggable Genome

MW: 28.1 kDa

**Gene Summary:** The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. Overexpression of this gene has been shown to induce apoptosis in cells. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported for this gene. [provided by RefSeq, May 2009]  
Transcript Variant: This variant (2) is also known as BCL-G short form. It contains an extra segment within the coding region, which results in a frameshift, when compared to variant 1. This variant encodes an isoform (2) that contains a shorter and distinct C terminus, as compared to isoform 1. CCDS Note: This CCDS ID is based on AF281255.1. This transcript appears to be a nonsense-mediated mRNA decay (NMD) candidate; however, there are publications describing this transcript and its encoded protein (Guo et al, 2001, PMID 11054413; Liu et al, 2008, PMID 18006276) so this CCDS ID has been retained.