

Product datasheet for **SC321704**

Bcl G (BCL2L14) (NM_138722) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl G (BCL2L14) (NM_138722) Human Untagged Clone
Tag:	Tag Free
Symbol:	Bcl G
Synonyms:	BCLG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_138722.1
 TTCAGGCTGAGTCTAAACCTGAAGAAAGTTTAGAGCCTGGGGCTCTAAACTACCTGAGT
 CTTTCCAAACGACAAGCCAAGAAGACCTGTTGAAAGTTTCCTCTTAAGTTTCGTGGAGAG
 AGACTCAGGTATAGAAATATCCTTACTGCCACCTGACCTGAAGCAGAAGAAATCACAGAC
 AGCTTCCAGACCAGGCCAACATGTGTAGCACCAGTGGGTGTGACCTGGAAGAAATCCCC
 CTAGATGATGATGACCTAAACACCATAGAATTCAAAATCCTCGCTACTACACCAGACAT
 CATGTCTTCAAGAGCACCCCTGCTCTTCTCACCAAAGCTGCTGAGAACAAGAAGTTTG
 TCCAGAGGGGCTGGGAATTGTTTCAGCAAATGAGTCATGGACAGAGGTGTCATGGCCT
 TGCAGAAATCCCAATCCAGTGAGAAGGCCATAAACCTTGGCAAGAAAAAGTCTTCTTGG
 AAAGCATTCTTTGGAGTAGTGGAGAAGGAATTCGCAGAGCACGCCTGCCAAGGTCTCT
 GCTCAGGGTCAAAGGACGTTGGAATACCAAGATTCGCACAGCCAGCAGTGGTCCAGGTGT
 CTTTCTAACGTGGAGCAGTGCTTGGAGCATGAAGCTGTGGACCCCAAAGTCATTTCCATT
 GCCAACCGAGTAGCTGAAATTGTTTACTCCTGGCCACCACCACAAGCGACCCAGGCAGGA
 GGCTTCAAGTCCAAGAGATTTTTGTAAGTGGGGTCTCTCCTTCCAGCTCCAAGGCCAC
 GTGCCTGTAGCTTCAAGTTCTAAGAAAGATGAAGAAGAACAATACTAGCCAAAATTTGTT
 GAGCTGTGAAATATTCAGGAGATCAGTTGGAAAGAAAGCTGAAGAAAGATAAGGCTTTG
 ATGGGCCACTTCCAGGATGGGCTGCTCTACTCTGTTTTCAAGACCATCACAGACCAGGTC
 CTAATGGGTGTGGACCCAGGGGAGAATCAGAGGTCAAAGCTCAGGGCTTTAAGGCTGCC
 CTTGTAATAGACGTACAGGCAAGCTCACAGCTATTGACAACCACCCGATGAACAGGGTC
 CTGGGCTTTGGCACCAGTACCTGAAAGAGAATTCTCGCCATGGATCCAGCAGCACGGT
 GGATGGGAAAAATACTTGGGATATCACATGAAGAAGTAGACTGAAATATCAGATTTGTC
 ATCAGGAATACTCTTTGTCTACTGTGGTCTGTGCAGTGGCCTCAGATGGACTACAGG
 AGATTACAACGTACAAGGCAGATGGAGCATTGACGTTTTCAAACCATTATTCCTGTGAC
 TGGAGAGGCATCAGGAGAGGTCTCGTTCGTCTCCAGCTCATAAAATGTAGCAGCATCATC
 CTTGACAGTGATGTTTTTTCAGGCCCTCCATTGAGAACCTGAGGAAATCTGTAAAGATAAG
 TGGTGATGTTGTTTCAAACGTTCCAGAACAGATACCATCATCCTGCCTTTGTTAGCTGCTG
 TAGGGAAAGTGCATTACAGATGTCTGCTGACCTCACAGAGTGAAGAAATAAACTGTGCA
 TGTGTTTCCACTTCCGTTTCTAGTACTATTTATTTTTAACTACACTTGGGGTGGCCTAA
 TACCTAGGAAGATGTTGCTATTCACGTTAGTAAACAGCCTAAAGAACTTTAGGTTTAC
 TGCTACATCCATTTGTTTGGAGAGGTAAGTGTGTCTGTGCCTTTTTGAAAACTCCAT
 TTGGTACAAAATTTTTACTCCAACACCCCTCAACCCTTTTCTCAGGGACCACACCTCTT
 CTTCCCAAGTCCCTGGGACTTCTCATTCTTTGTGGTAGTACAATGATTGGTAGCAGGT
 AAAATAAATACATAGAAAGACTACTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_138722

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_138722.1](#), [NP_620048.1](#)

RefSeq Size: 1886 bp

RefSeq ORF: 984 bp

Locus ID: 79370

UniProt ID: [Q9BZR8](#)

Cytogenetics: 12p13.2

Protein Families: Druggable Genome

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 (1) is also known as BCL-G long form. It encodes the longest isoform (1).