

## Product datasheet for **RG215213**

### **Bcl G (BCL2L14) (NM\_138723) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl G (BCL2L14) (NM_138723) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bcl G
Synonyms:	BCLG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215213 representing NM_138723 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTAGCACCAGTGGGTGTGACCTGGAAGAAATCCCCCTAGATGATGATGACCTAAACACCATAGAAT  
TCAAAATCCTCGCCTACTACACCAGACATCATGTCTTCAAGAGCACCCCTGCTCTTCTCACCAAAGCT  
GCTGAGAACAGAAGTTTGTCCCAGAGGGGCTGGGAATTGTTCAAGCAATGAGTCATGGACAGAGGTG  
TCATGGCCTTGCAGAAATCCCAATCCAGTGAGAAGGCCATAAACCTTGGCAAGAAAAAGTCTTCTTGA  
AAGCATTCTTTGGAGTAGTGGAGAAGGAAGATTTCGAGAGCACGCCTGCCAAGGTCTCTGCTCAGGGTCA  
AAGGACGTTGGAATACCAAGATTTCGACAGCCAGCAGTGGTCCAGGTGTCTTTCTAACGTGGAGCAGTGC  
TTGGAGCATGAAGCTGTGGACCCCAAAGTCATTTCCATTGCCAACCGAGTAGCTGAAATTGTTTACTCCT  
GGCCACCACCACAAGCGACCCAGGCAGGAGGCTTCAAGTCCAAAGAGATTTTTGTAAGTGAAGGCTCTCTC  
CTTCCAGCTCCAAGGCCACGTGCCTGTAGCTTCAAGTTCTAAGAAAGATGAAGAAGAACAATACTAGCC  
AAAATTGTTGAGCTGCTGAAATATTCAGGAGATCAGTTGGAAAGAAAGCTGAAGAAGATAAGGCTTTGA  
TGGGCACTTCCAGGATGGGCTGTCTACTCTGTTTTCAAGACCATCACAGACCAGGTCTAATGGGTGT  
GGACCCAGGGGAGAATCAGAGGTCAAAGCTCAGGGCTTAAAGGCTGCCCTTGTAAATAGACGTACAGGCC  
AAGCTCACAGCTATTGACAACCACCCGATGAACAGGGTCTGGGCTTTGGCACCAAGTACCTGAAAGAGA  
ACTTCTGCCATGGATCCAGCAGCACGGTGGATGGGAAAAAATACTTGGGATATCACATGAAGAAGTAGA  
C

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG215213 representing NM\_138723  
Red=Cloning site Green=Tags(s)

MCSTSGCDLEEIPLDDDDLNTIEFKILAYYTRHHVFKSTPALFSPKLLRTRLSQRGLGNCSANESWTEV  
 SWPCRNQSSEKAINLGKKKSSWKAFFGVVEKEDSQSTPAKVSAQGQRTLEYQDSHSQQWSRCLSNVEQC  
 LEHEAVDPKVISIANRVAEIVYWPQQATQAGGFKSKEIFVTEGLSFQLQGHVPVASSSKKDEEEQILA  
 KIVELLKYSGDQLERKLLKDKALMGHFQDGLSYSVFKITDQVLMGVDPGRGESEVKAQGFKAALVIDVTA  
 KLTAIDNHPMNRVLGFGTKYLKENFSPWIQQHGGWEKILGISHEEVD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_138723

**ORF Size:** 981 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\\_138723.2](#)

**RefSeq Size:** 1930 bp

**RefSeq ORF:** 984 bp

**Locus ID:** 79370

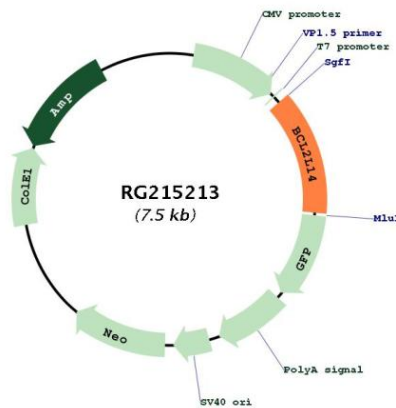
**UniProt ID:** [Q9BZR8](#)

**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]

## Product images:



Circular map for RG215213