

Product datasheet for **RG215114**

Bcl G (BCL2L14) (NM_030766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl G (BCL2L14) (NM_030766) 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:	>RG215114 representing NM_030766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTAGCACCAGTGGGTGTGACCTGGAAGAAATCCCCCTAGATGATGATGACCTAAACACCATAGAAT
TCAAAATCCTCGCCTACTACACCAGACATCATGTCTTCAAGAGCACCCCTGCTCTTCTCACCAAAGCT
GCTGAGAACAGAAGTTTGTCCCAGAGGGGCTGGGAATTGTTTCAGCAAATGAGTCATGGACAGAGGTG
TCATGGCCTTGCAGAAATCCCAATCCAGTGAGAAGGCCATAAACCTTGGCAAGAAAAAGTCTTCTTGA
AAGCATTCTTTGGAGTAGTGGAGAAGGAAGATTGCAGAGCACGCCTGCCAAGGTCTCTGCTCAGGGTCA
AAGGACGTTGGAATACCAAGATTCGCACAGCCAGCAGTGGTCCAGGTGCTTTCTAACCTGGAGCAGTGC
TTGGAGCATGAAGCTGTGGACCCCAAAGTCATTTCCATTGCCAACCGAGTAGCTGAAATTGTTTACTCCT
GGCCACCACCAAGCGACCCAGGCAGGAGGCTTCAAGTCCAAAGAGATTTTGTAACTGAGGGTCTCTC
CTTCCAGCTCCAAGGCCACGTGCCTGTAGCTTCAAGTTCTAAGAAAGATGAAGAAGAACAATACTAGCC
AAAATTGTTGAGCTGCTGAAATATTCAGGAGATCAGTTGGAAAGAAAGGACACTGCCTTCATCCCCATTC
CCTTGTTGACACCAGCATCCAGGGTTTCCACAGGATGGTTTGTATGGCTGCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215114 representing NM_030766
Red=Cloning site Green=Tags(s)

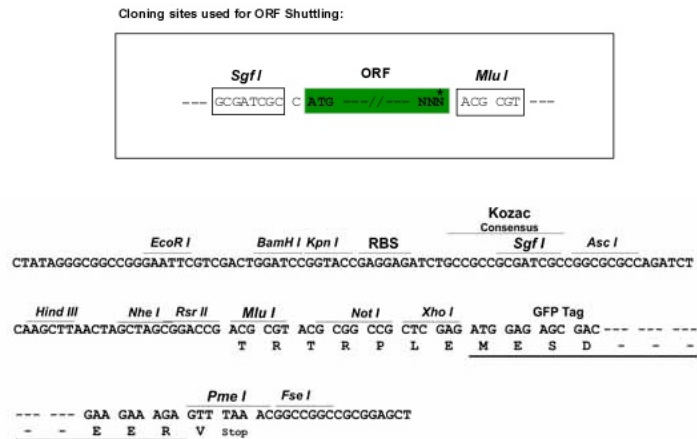
MCSTSGCDLEEIPLDDDDLNTIEFKILAYYTRHHVFKSTPALFSPKLLRTRLSQRGLGNCSPANESWTEV
 SWPCRNQSSEKAINLGKKKSSWKAFFGVVEKEDSQSTPAKVSAQGORTLEYQDSHSQQWSRCLSNVEQC
 LEHEAVDPKVISIANRVAEIVYSWPPPQATQAGGFKSKEIFVTEGLSFQLQGHVPVASSSKKDEEEQILA
 KIVELLKYSGDQLERKDTAFIPIPLVDTSIQGFPQDGLMACI

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1836_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030766

ORF Size: 756 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_030766.1](#), [NP_110393.1](#)

RefSeq Size: 2039 bp

RefSeq ORF: 759 bp

Locus ID: 79370

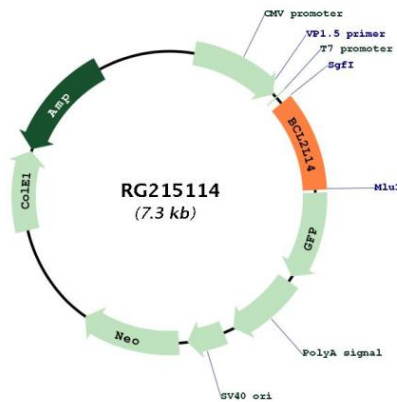
UniProt ID: [Q9BZR8](#)

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 RG215114