

### Product datasheet for MR212128L4

#### **OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

## Bcl2 (NM\_009741) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Bcl2 (NM\_009741) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Bcl2

**Synonyms:** AW986256; Bcl-; Bcl-2; C430015F12Rik; D630044D05Rik; D830018M01Rik

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR212128).

Sgfl-Mlul

Sequence:

Restriction Sites: Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_009741

ORF Size: 708 bp



#### Bcl2 (NM\_009741) Mouse Tagged Lenti ORF Clone - MR212128L4

**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: <u>NM 009741.3</u>, <u>NP 033871.2</u>

 RefSeq Size:
 7206 bp

 RefSeq ORF:
 711 bp

 Locus ID:
 12043

 UniProt ID:
 P10417

Cytogenetics: 1 49.76 cM

**Gene Summary:** This gene encodes a member of the B cell lymphoma 2 protein family. Members of this family

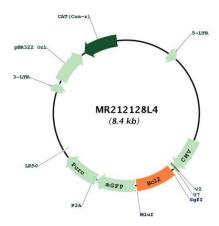
regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in

numerous tissues. Alternate splicing results in multiple transcript variants. [provided by

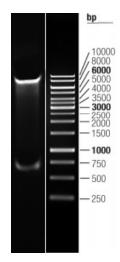
RefSeq, Sep 2015]



# **Product images:**



Circular map for MR212128L4



Double digestion of MR212128L4 using Sgfl and Mlul