

Product datasheet for RC217322L2

OriGene Technologies, Inc.

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Bcl x (BCL2L1) (NM_001191) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Bcl x (BCL2L1) (NM_001191) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: Bcl x

Synonyms: Bcl-X; BCL-XL/S; BCL2L; BCLX; PPP1R52

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217322).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001191

ORF Size: 510 bp



Bcl x (BCL2L1) (NM_001191) Human Tagged Lenti ORF Clone - RC217322L2

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 001191.2</u>

RefSeq Size:2386 bpRefSeq ORF:513 bpLocus ID:598

 UniProt ID:
 Q07817

 Cytogenetics:
 20q11.21

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Amyotrophic lateral sclerosis (ALS), Apoptosis, Chronic myeloid leukemia, Jak-STAT signaling

pathway, Pancreatic cancer, Pathways in cancer, Small cell lung cancer

MW: 18.7 kDa

Gene Summary: The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members

form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus

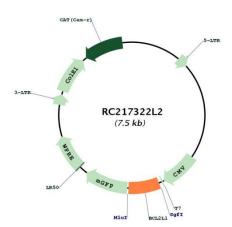
controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform

acts as an apoptotic inhibitor and the shorter isoform acts as an apoptotic activator.

[provided by RefSeq, Dec 2015]



Product images:



Circular map for RC217322L2