

## Product datasheet for **RC201965L2V**

### **BCL2A1 (NM\_004049) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	BCL2A1 (NM_004049) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BCL2A1
Synonyms:	ACC-1; ACC-2; ACC1; ACC2; BCL2L5; BFL1; GRS; HBPA1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004049
ORF Size:	525 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201965).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004049.2</a>
RefSeq Size:	899 bp
RefSeq ORF:	528 bp
Locus ID:	597
UniProt ID:	<a href="#">Q16548</a>
Cytogenetics:	15q25.1
Domains:	Bcl-2
Protein Families:	Druggable Genome



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**Protein Pathways:** Metabolic pathways

**MW:** 20.1 kDa

**Gene Summary:** This gene encodes a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators that are involved in a wide variety of cellular activities such as embryonic development, homeostasis and tumorigenesis. The protein encoded by this gene is able to reduce the release of pro-apoptotic cytochrome c from mitochondria and block caspase activation. This gene is a direct transcription target of NF-kappa B in response to inflammatory mediators, and is up-regulated by different extracellular signals, such as granulocyte-macrophage colony-stimulating factor (GM-CSF), CD40, phorbol ester and inflammatory cytokine TNF and IL-1, which suggests a cytoprotective function that is essential for lymphocyte activation as well as cell survival. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]