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Product datasheet for RC211152L4V

BCL2L2 (NM_004050) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BCL2L2 (NM_004050) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BCL2L2
Synonyms:	BCL-W; BCL2-L-2; BCLW; PPP1R51
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004050
ORF Size:	579 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC211152).`
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.
RefSeq:	NM_004050.2
RefSeq Size:	3621 bp
RefSeq ORF:	582 bp
Locus ID:	599
UniProt ID:	Q92843
Cytogenetics:	14q11.2
Domains:	Bcl-2, BH4
Protein Families:	Druggable Genome, Transmembrane

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MW: 20.8 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. Expression of this gene in cells has been shown to contribute to reduced cell apoptosis under cytotoxic conditions. Studies of the related gene in mice indicated a role in the survival of NGF- and BDNF-dependent neurons. Mutation and knockout studies of the mouse gene demonstrated an essential role in adult spermatogenesis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream PABPN1 (poly(A) binding protein, nuclear 1) gene. [provided by RefSeq, Dec 2010]