

Product datasheet for **SC331379**

BCL2L2 (NM_001199839) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BCL2L2 (NM_001199839) Human Untagged Clone
Tag: Tag Free
Symbol: BCL2L2
Synonyms: BCL-W; BCL2-L-2; BCLW; PPP1R51
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331379 representing NM_001199839.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

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ATGGCGACCCAGCCTCGGCCCCAGACACAGGGCTCTGGTGGCAGACTTTGTAGGTTATAAGCTGAGG
CAGAAGGGTTATGTCTGTGGAGCTGGCCCCGGGGAGGGCCAGCAGCTGACCCGCTGCACCAAGCCATG
CGGGCAGCTGGAGATGAGTTCGAGACCCGCTTCCGGCGCACCTTCTGTGATCTGGCGGCTCAGCTGCAT
GTGACCCAGGCTCAGCCCAACAACGCTTCACCCAGGTCTCCGATGAACTTTTCAAGGGGGCCCCAAC
TGGGGCCGCTTGTAGCCTTCTTTGTCTTTGGGGCTGCACTGTGTGCTGAGAGTGTCAACAAGGAGATG
GAACCACTGGTGGGACAAGTGCAGGAGTGGATGGTGGCCTACCTGGAGACGCGGCTGGCTACTGGATC
CACAGCAGTGGGGCTGGGCGGAGTTCACAGCTCTATACGGGGACGGGGCCCTGGAGGAGGCGCGGCGT
CTGCGGGAGGGGAAGTGGGCATCAGTGAGGACAGTGCTGACGGGGCCGCTGGCACTGGGGCCCTGGTA
ACTGTAGGGCCCTTTTTTGTAGCAAGTGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001199839
Insert Size: 582 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001199839.1](#)

RefSeq Size: 3576 bp

RefSeq ORF: 582 bp

Locus ID: 599

UniProt ID: [Q92843](#)

Cytogenetics: 14q11.2

Protein Families: Druggable Genome, Transmembrane

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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.