

Product datasheet for **TF500199**

Bcl2l1 Mouse shRNA Plasmid (Locus ID 12048)

Product data:

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| Product Type: | shRNA Plasmids |
| Product Name: | Bcl2l1 Mouse shRNA Plasmid (Locus ID 12048) |
| Locus ID: | 12048 |
| Synonyms: | Bcl; Bcl(X); Bcl(X)L; bcl-; bcl-x; Bcl-XL; bcl2-L-1; Bcl2l; BclX |
| Vector: | pRFP-C-RS (TR30014) |
| E. coli Selection: | Chloramphenicol (34 ug/ml) |
| Mammalian Cell Selection: | Puromycin |
| Format: | Retroviral plasmids |
| Components: | Bcl2l1 - Mouse, 4 unique 29mer shRNA constructs in retroviral RFP vector(Gene ID = 12048). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRFP-C-RS Vector, TR30015, included for free. |
| RefSeq: | BC089016 , BC089017 , NM_001289716 , NM_001289717 , NM_001289739 , NM_009743 , NR_149254 , NM_009743.1 , NM_009743.2 , NM_009743.3 , NM_009743.4 , NM_009743.5 , NM_001289716.1 , NM_001289717.1 , NM_001289739.1 |
| UniProt ID: | Q64373 |
| Summary: | This gene encodes a member of the Bcl-2 family of apoptosis regulators. The encoded protein is localized to the inner and outer mitochondrial membranes and regulates the programmed cell death pathway during development and tissue homeostasis. This protein binds to voltage-dependent anion channels in the outer mitochondrial membrane to facilitate the uptake of calcium ions. Mice embryos lacking this gene survived for two weeks and exhibited cell death of immature hematopoietic cells and neurons. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jan 2014] |
| shRNA Design: | These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com . If you need a special design or shRNA sequence, please utilize our custom shRNA service . |



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**Performance
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).