

## Product datasheet for **TG512810**

### **Bcl2 Mouse shRNA Plasmid (Locus ID 12043)**

#### **Product data:**

<b>Product Type:</b>	shRNA Plasmids
<b>Product Name:</b>	Bcl2 Mouse shRNA Plasmid (Locus ID 12043)
<b>Locus ID:</b>	12043
<b>Synonyms:</b>	AW986256; Bcl-; Bcl-2; C430015F12Rik; D630044D05Rik; D830018M01Rik
<b>Vector:</b>	pGFP-V-RS (TR30007)
<b>E. coli Selection:</b>	Kanamycin
<b>Cell Selection:</b>	Puromycin
<b>Format:</b>	Retroviral plasmids
<b>Components:</b>	Bcl2 - Mouse, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 12043). 5µg purified plasmid DNA per construct Non-effective 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
<b>RefSeq:</b>	<a href="#">BC068988</a> , <a href="#">BC095964</a> , <a href="#">NM_009741</a> , <a href="#">NM_177410</a> , <a href="#">NM_009741.1</a> , <a href="#">NM_009741.2</a> , <a href="#">NM_009741.3</a> , <a href="#">NM_009741.4</a> , <a href="#">NM_009741.5</a> , <a href="#">NM_177410.1</a> , <a href="#">NM_177410.2</a> , <a href="#">NM_177410.3</a>
<b>UniProt ID:</b>	<a href="#">P10417</a>
<b>Summary:</b>	This gene encodes a member of the B cell lymphoma 2 protein family. Members of this family regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in numerous tissues. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
<b>shRNA Design:</b>	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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).