

## Product datasheet for MC208179

### Bcl2 (NM\_177410) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl2 (NM_177410) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcl2
Synonyms:	AW986256; Bcl-; Bcl-2; C430015F12Rik; D630044D05Rik; D830018M01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NM_177410.2 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCGCAAGCCGGGAGAACAGGGTATGATAACCGGGAGATCGTGATGAAGTACATACATTATAAGCTGT  
 CACAGAGGGGCTACGAGTGGGATGCTGGAGATGCGGACGCGGCCCTGGGGGCTGCCCCACCCCTGG  
 CATCTTCTCCTCCAGCCTGAGAGCAACCAATGCCGCTGTGCACCGGGACATGGCTGCCAGGACGTCT  
 CCTCTCAGGCCCTCGTTGCCACCGCTGGGCTGCGCTCAGCCCTGTGCCACCTGTGGTCCATCTGACCC  
 TCCGCCGGGCTGGGATGACTTCTCTCGTCGCTACCGTCGTGACTTCGCAGAGATGTCCAGTCAGCTGCA  
 CCTGACGCCCTTACCGCGAGGGGACGCTTTGCCACGGTGGTGGAGGAACCTTCAGGGATGGGGTGAAC  
 TGGGGGAGGATTGTGGCCTTCTTTGAGTTCCGGTGGGGTCATGTGTGTGGAGAGCGTCAACAGGGAGATGT  
 CACCCCTGGTGGACAACATCGCCTGTGGATGACTGAGTACCTGAACCGGCATCTGCACACCTGGATCCA  
 GGATAACGGAGGCTGGGTAGGTGCATGTCTGTTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1432_c06.zip">https://cdn.origene.com/chromatograms/ja1432_c06.zip</a>
Restriction Sites:	SgfI-MluI
ACCN:	NM_177410
Insert Size:	600 bp


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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_177410.2</a></u> , <u><a href="#">NP_803129.2</a></u>
<b>RefSeq Size:</b>	2529 bp
<b>RefSeq ORF:</b>	600 bp
<b>Locus ID:</b>	12043
<b>Cytogenetics:</b>	1 49.76 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and UTR compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct C-terminus compared to isoform 1.</p>