

Product datasheet for **MC208178**

Bcl2 (NM_009741) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcl2 (NM_009741) 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: >MC208178 representing NM_009741
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAAGCCGGGAGAACAGGGTATGATAACCGGGAGATCGTGATGAAGTACATACATTATAAGCTGT
CACAGAGGGGCTACGAGTGGGATGCTGGAGATGCGGACGCGGCCCCCTGGGGCTGCCCCACCCTGG
CATCTTCTCCTCCAGCCTGAGAGCAACCAATGCCCGCTGTGCACCGGGACATGGCTGCCAGGACGTCT
CCTCTCAGGCCCTCGTTGCCACCGCTGGGCTGCGCTCAGCCCTGTGCCACCTGTGGTCCATCTGACCC
TCCGCCGGCTGGGGATGACTTCTCTCGTCGCTACCGTCGTGACTTCGCAGAGATGTCCAGTCAGCTGCA
CCTGACGCCCTTACCGCGAGGGGACGCTTTGCCACGGTGGTGGAGGAACTCTTCAGGGATGGGGTGAAC
TGGGGGAGGATTGTGGCCTTCTTTGAGTTGCGTGGGGTCAATGTGTGGAGAGCGTCAACAGGGAGATGT
CACCCCTGGTGGACAACATCGCCCTGTGGATGACTGAGTACCTGAACCGGCATCTGCACACCTGGATCCA
GGATAACGGAGGCTGGGATGCCTTTGTGGAACATATGGCCCCAGCATGCGACCTCTGTTTGATTCTCC
TGGCTGTCTCTGAAGACCCTGCTCAGCCTGGCCCTGGTGGGGCTGCATCACTCTGGGTGCATACCTGG
GCCACAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3453_f04.zip
Restriction Sites: SgfI-MluI
ACCN: NM_009741
Insert Size: 711 bp



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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).
Reconstitution Method:	<ol style="list-style-type: none">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_009741.5 , NP_033871.2
RefSeq Size:	7224 bp
RefSeq ORF:	711 bp
Locus ID:	12043
UniProt ID:	P10417
Cytogenetics:	1 49.76 cM
Gene Summary:	<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 (1) represents the longer transcript and encodes the longer protein (isoform 1). 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.</p>