

## Product datasheet for MC226458

### Bcl2l1 (NM\_001289717) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bcl2l1 (NM_001289717) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bcl2l1
Synonyms:	Bcl; Bcl(X; Bcl(X)L; bcl-; bcl-x; Bcl-XL; bcl2-L-1; Bcl2l; BclX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226458 representing NM_001289717 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGTCTCAGAGCAACCGGGAGCTGGTGGTCGACTTTCTCTCCTACAAGCTTTCCAGAAAGGATACAGCT  
 GGAGTCAGTTTAGTGATGTCGAAGAGAATAGGACTGAGGCCCCAGAAGAACTGAAGCAGAGAGGGAGAC  
 CCCCAGTGCCATCAATGGCAACCCATCCTGGCACCTGGCGGATAGCCCGCCGTGAATGGAGCCACTGGC  
 CACAGCAGCAGTTTGATGCGCGGGAGGTGATTCCCATGGCAGCAGTGAAGCAAGCGCTGAGAGAGGCAG  
 GCGATGAGTTTGAAGTACGGTACCGGAGAGCGTTCAAGTATTAACATCCAGCTTCACATAACCCAGG  
 GACCGCGTATCAGAGCTTTGAGCAGGTAGTGAATGAAGTCTTTTCGGGATGGAGTAACTGGGGTTCGCATC  
 GTGGCCTTTTCTCCTTTGGCGGGCACTGTGCGTGGAAGCGTAGACAAGGAGATGCAGGTATTGGTGA  
 GTCGGATTGCAAGTTGGATGGCCACCTATCTGAATGACCACCTAGAGCCTTGGATCCAGGAGAACGGCGG  
 CTGGGACACTTTTGTGGATCTCTACGGGAACAATGCAGCAGCCGAGAGCCGGAAGGCCAGGAGCGCTTC  
 AACCGCTGGTTCTTGACGGGCATGACTGTGGCTGGTGTGGTCTGCTGGGCTCACTCTTCAGTCGGAAGT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001289717
Insert Size:	702 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001289717.1, NP_001276646.1</u>
<b>RefSeq Size:</b>	2472 bp
<b>RefSeq ORF:</b>	702 bp
<b>Locus ID:</b>	12048
<b>UniProt ID:</b>	<u>Q64373</u>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 5. Variants 1, 2, 3, and 5 all encode the same isoform (a, also known as Bcl-xL; PMID 7607090). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>