

## Product datasheet for **MC226470**

### **Bcl2l1 (NM\_001289739) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bcl2l1 (NM\_001289739) 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226470 representing NM\_001289739  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTCAGAGCAACCGGGAGCTGGTGGTCGACTTTCTCTCTACAAGCTTTCCAGAAAGGATACAGCT  
GGAGTCAGTTTAGTGATGTCGAAGAGAATAGGACTGAGGCCCCAGAAGAACTGAAGCAGAGAGGGAGAC  
CCCCAGTGCCATCAATGGCAACCCATCCTGGCACCTGGCGGATAGCCCGCCGTGAATGGAGCCACTGGC  
CACAGCAGCAGTTTGATGCGCGGGAGGTGATCCCATGGCAGCAGTGAAGCAAGCGCTGAGAGAGGCAG  
GCGATGAGTTTGAAGTGCAGTACCGGAGAGCGTTCAAGTATCAACATCCAGCTTCACATAACCCAGG  
GACCGCGTATCAGAGCTTTGAGCAGGTAGTGAATGAAGTCTTTCCGGATGGAGTAACTGGGGTCGCATC  
GTGGCCTTTTTCTCTTTGGCGGGCACTGTGCGTGAAAGCGTAGACAAGGAGATGCAGGTATTGGTGA  
GTCGGATTGCAAGTTGGATGGCCACCTATCTGAATGACCACCTAGAGCCTTGGATCCAGGAGAACGGCG  
CTGGGGTGTGAGTGGAGGTACACCCCTCAGATCTGTCTTCAGAAGGCTTGTCAAGTGCCAGGAGTGGCG  
GAGCACGTTTGTATCCCAGCCTTTGGGAGGTGAAACAGAAGGATCGGAAGTTCAAGGCCCTCTCAGC  
TATTATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289739  
**Insert Size:** 708 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>RefSeq:</b>	<u>NM_001289739.1, NP_001276668.1</u>
<b>RefSeq Size:</b>	1450 bp
<b>RefSeq ORF:</b>	708 bp
<b>Locus ID:</b>	12048
<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 (4) has a different 3' structure resulting in a frameshift compared to variant 5. The resulting isoform (b, also known as Bcl-x gamma; PMID 9390687) has a distinct C-terminus and is longer than isoform a.</p>