

## Product datasheet for **RC236295**

### **BCL2L12 (NM\_001282517) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BCL2L12 (NM\_001282517) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** BCL2L12  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236295 representing NM\_001282517  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGACGGCCCGCTGGGCTGTCCCGCCCTATGCCCTTTTTGGGTTCCGGCCAGAGGCATGCTGGG  
AGCGTCACATGCAAATTGAGCGTGCACCCAGCGTCCGCCCTTCTACGCTGGGCCGTTATCGACCCGG  
CCCAGTGCAGCGCGGGAAAGTTGAACTAATAAAGTTGTACGAGTTCAGTGGAGGAGACCGCAAGT  
GAGTGGAGGAGGCGCGGTGGGGCCCGGACCAGGTGCCTCCATGGCAGGCTCTGAAGAGCTGGGGCTCC  
GGGAAGACACGCTGAGGGTCTAGCTGCCTCCTTAGGCGTGGTGGGCTGCCGGTCTCCTGTTCCAAC  
TCCACCTAGGCCAGCTACTCCAGACTTCTATGCTTTGGTGGCCAGCGGCTGGAACAGCTGGTCCAAGA  
GCAGCTGAAATCTCCGCCAGCCAGAATTACAGGGTCCCCATCGACAGAGAAGGAAGCCATACTGCGG  
AGGCTGGTGGCCCTGCTGGAGGAGGAGGCAGAAGTCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236295 representing NM\_001282517  
**Red=Cloning site Green=Tags(s)**

MGRPAGLFPPLCPFLGFRPEACWERHMQIERAPSVPPFLRWAGYRPGPVRRRRGKVELIKFVRVQWRRPQV  
EWRRRRWGPGGASMGSEELGLREDTLRVLAFLRRGEAAGSPVPTPPRPSYSRLLCFGGPAAGTAGPR  
AAEISAQPRITGSPIDREGSHTAEAGGPAGGGGRSH

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

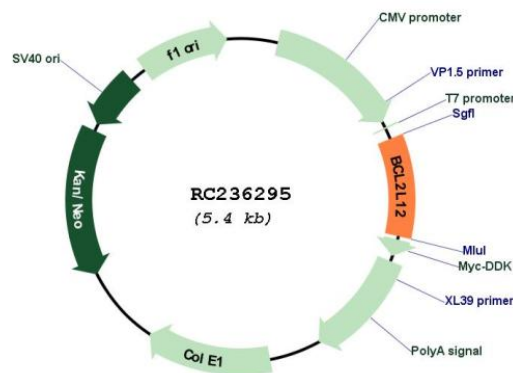
**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282517

**ORF Size:** 528 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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_001282517.1, NP_001269446.1</u>
<b>RefSeq Size:</b>	1477 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	83596
<b>UniProt ID:</b>	<u>Q9HB09</u>
<b>Cytogenetics:</b>	19q13.33
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	19.6 kDa
<b>Gene Summary:</b>	This gene encodes a member of a family of proteins containing a Bcl-2 homology domain 2 (BH2). The encoded protein is an anti-apoptotic factor that acts as an inhibitor of caspases 3 and 7 in the cytoplasm. In the nucleus, it binds to the p53 tumor suppressor protein, preventing its association with target genes. Overexpression of this gene has been detected in a number of different cancers. There is a pseudogene for this gene on chromosome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]