

Product datasheet for **RC236465**

BCL2L12 (NM_001282521) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BCL2L12 (NM_001282521) 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: >RC236465 representing NM_001282521
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGACGGCCCGCTGGGCTGTCCCGCCCTATGCCCTTTTTGGGTTCCGGCCAGGGCATGCTGGG
AGCGTCACATGCAAATTGAGCGTGCACCCAGCGTCCGCCCTTCTACGCTGGGCCGTTATCGACCCGG
CCCAGTGCAGCGCGGGAAAGTTGAACTAATAAAGTTGTACGAGTTCAGTGGAGGAGACCGCAAGT
GAGTGGAGGAGGCGCGGTGGGGCCCCGACCAGGTGCCTCCATGGCAGGCTCTGAAGAGCTGGGGCTCC
GGGAAGACACGCTGAGGGTCTAGCTGCCTCCTTAGGCGTGGTGGGCTGCCGGTCTCCTGTTCCAAC
TCCACCTAGAAGCCCTGCCCAAGAAGAGCCAACAGACTTCTGAGCCGCCTTCGAAGATGTCTTCCCTGC
TCCCTGGGGCGAGGAGCAGCCCCCTCTGAGTCCCCTCGGCCTTGCTCTGCCCCACCGCCCTGCTATG
GTTTAGAGCCTGGAGGCATCCTGGCTGTTTACCCTGGACTTGAAGTGGCATTGGACTGAGCTCTT
CTCAGAAGCTGCTACAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236465 representing NM_001282521
Red=Cloning site Green=Tags(s)

MGRPAGLFPPLCPFLGFRPEACWERHMQIERAPSVPPFLRWAGYRPGPVRRRGKVELIKFVRVQWRRPQV
EWRRRRWGPGGASMGSEELGLREDTLRVLAFLRRGEAAGSPVPTPPRSPAQEPTDFLSRLRRLCLPC
SLGRGAAPSESPRCSLPIRPCYGLEPGHPGCFTRGLELAIGLSSFSEAATR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

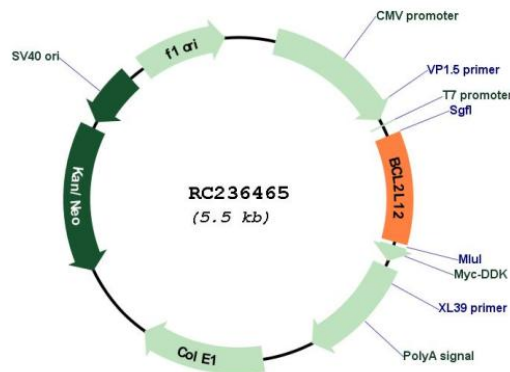


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001282521

ORF Size: 579 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.

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:	<u>NM_001282521.1, NP_001269450.1</u>
RefSeq Size:	1441 bp
RefSeq ORF:	582 bp
Locus ID:	83596
UniProt ID:	<u>Q9HB09</u>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
MW:	21.9 kDa
Gene Summary:	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]