

Product datasheet for **RG211604**

BCL2L10 (NM_020396) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BCL2L10 (NM_020396) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BCL2L10
Synonyms: BCL-B; bcl2-L-10; Boo; Diva
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211604 representing NM_020396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTGACCAAGTTGCGGGAGCGCACCAACATGGCCGACCCGCTGCGGGAGCGCACCCGAGCTGTTGCTGG
 CCGACTACCTGGGGTACTGCGCCCGGAACCCGGCACCCCGAGCCGGCGCCATCCACGCCCGAGGCCGC
 CGTGTGCGCTCCGCGCCGCCAGTTACGGCAGATTCACCGTCTTTTTCTCCGCTACCTCGGCTAC
 CCCGGAAACCGCTTCGAGCTGGTGGCGCTGATGGCGGATTCGCTGCTCTCCGACAGCCCCGCCACCT
 GGGCAGAGTGGTGACGCTCGTACCTTCGAGGGACGCTGCTGGAGAGAGGGCCGCTGGTGACCCCG
 GTGAAGAAGTGGGGCTCCAGCCGCGCTAAAGGAGCAGGAGGGCGACGTCGCCCGGACTGCCAGCGC
 CTGGTGGCCTTGCTGAGCTCGCGCTCATGGGGCAGCACCGCCCTGGCTGCAGGCTCAGGGCGGCTGGG
 ATGGCTTTTGTCACTTCTTCAGGACCCCTTCCACTGGCTTTTGGAGAAAACAGCTGGTCCAGGCTTT
 TCTGTCATGCTTGTAAACAACAGCCTTCATTTATCTCTGGACACGATTATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211604 representing NM_020396
 Red=Cloning site Green=Tags(s)

MVDQLRERTTMADPLRRETELLADYLYGCAREPGTPEPAPSTPEAAVLRSAARLRQIHRFFSAYLGY
 PGNRFELVALMADSVLSDSPGPTWGRVTVTFAGTLLERGPLVTARWKKWGFQPRLKEQEGDVARDCQR
 LVALLSSRLMGQHRAWLQAQGGWDFCHFFRTPFPLAFWRKQLVQAFLSCLLTAFIYLWTRLL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

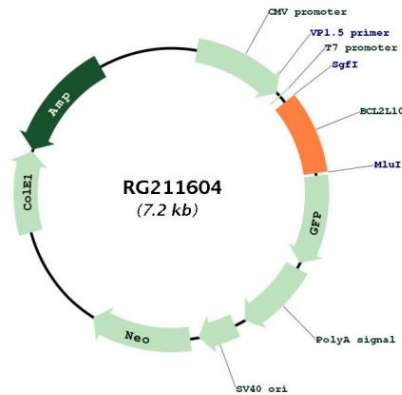
Cloning Scheme:


ACCN:	NM_020396
ORF Size:	612 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:	NM_020396.3
RefSeq Size:	887 bp
RefSeq ORF:	615 bp
Locus ID:	10017
UniProt ID:	Q9HD36
Cytogenetics:	15q21.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The protein encoded by this gene contains conserved BH4, BH1 and BH2 domains. This protein can interact with other members of BCL-2 protein family including BCL2, BCL2L1/BCL-X(L), and BAX. Overexpression of this gene has been shown to suppress cell apoptosis possibly through the prevention of cytochrome C release from the mitochondria, and thus activating caspase-3 activation. The mouse counterpart of this protein is found to interact with Apaf1 and forms a protein complex with Caspase 9, which suggests the involvement of this protein in APAF1 and CASPASE 9 related apoptotic pathway. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211604