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Product datasheet for SC304758

BCL2L10 (NM_020396) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCL2L10 (NM_020396) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCL2L10
Synonyms:	BCL-B; bcl2-L-10; Boo; Diva
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020396 edited CCAAGAAAACCAGCGAAGGCCCGGCCCCCCAGCAGAGGCCGGACCATGGTTGACCAGTTG CGGGAGCGCACCACCATGGCCGACCCGCTGCGGGAGCGCACCGAGCTGTTGCTGGCCGAC TACCTGGGGTACTGCGCCCGGGAACCCGGCACCCCCGAGCCGGCGCCATCCACGCCCGAG GCCGCCGTGCTGCGCTCCGCGGCCGCCAGGTTACGGCAGATTCACCGGTCCTTTTTCTCC GCCTACCTCGGCTACCCCGGGAACCGCTTCGAGCTGGTGGCGCTGATGGCGGATTCCGTG CTCTCCGACAGCCCCGGCCCCACCTGGGGCAGAGTGGTGACGCTCGTGACCTTCGCAGGG ACGCTGCTGGAGAGAGGGCCGCTGGTGACCGCCCGGTGGAAGAAGTGGGGCTTCCAGCCG CGGCTAAAGGAGCAGGAGGGCGACGTCGCCCGGGACTGCCAGCGCCTGGTGGCCTTGCTG AGCTCGCGGCTCATGGGGCAGCACCGCGCCTGGCTGCAGGCTCAGGGCGGCTGGGATGGC TTTTGTCACTTCTTCAGGACCCCCTTTCCACTGGCTTTTTGGAGAAAACAGCTGGTCCAG GCTTTTCTGTCATGCTTGTTAACAACAGCCTTCATTTATCTCTGGACACGATTATTATGA GTTTTAAAACTTTTAACCCGCTTCTACCTGCCCAACTGTGACCAACTAAATGACAGATGT GTGAGAACAAGAACTGAGGGAAAGCACCTTCCCCCACCCCAGACGTTTTTATCTGAATGC ATACAAGGAGTCCTGAGGTGGTGATTTGGCCAGTGTTTTAACTTGTGACAAGTACTCAGG TGTGAGGACAAGAATGCAAATGGCTCTTCCTTGAGTGAAAGAA
Restriction Sites:	Please inquire
ACCN:	NM_020396
Insert Size:	900 bp
OTI Disclaimer:	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).

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OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020396.2.
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:	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_020396.2, NP_065129.1
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] Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.