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Product datasheet for SC334359

BCL2L12 (NM_001282521) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BCL2L12 (NM_001282521) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCL2L12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282521, the custom clone sequence may differ by one or more nucleotides

ATGGGACGGCCCGCTGGGCTGTTCCCGCCCCTATGCCCTTTTTTGGGTTTCCGGCCAGAGGCATGCTGGG
AGCGTCACATGCAAATTGAGCGTGCACCCAGCGTTCCGCCCTTTCTACGCTGGGCCGGTTATCGACCCGG
CCCAGTGCGCAGGCGCGGGAAAGTTGAACTAATAAAGTTTGTACGAGTTCAGTGGAGGAGACCGCAAGTT
GAGTGGAGGAGGCGGCGGTGGGGCCCCGGACCAGGTGCCTCCATGGCAGGCTCTGAAGAGCTGGGGCTCC
GGGAAGACACGCTGAGGGTCCTAGCTGCCTTCCTTAGGCGTGGTGAGGCTGCCGGGTCTCCTGTTCCAAC
TCCACCTAGAAGCCCTGCCCAAGAAGAGCCAACAGACTTCCTGAGCCGCCTTCGAAGATGTCTTCCCTGC
TCCCTGGGGCGAGGAGCAGCCCCCTCTGAGTCCCCTCGGCCTTGCTCTCTGCCCATCCGCCCCTGCTATG
GTTTAGAGCCTGGAGGGCATCCTGGCTGTTTCACCCGTGGACTTGAACTTGCCATTGGACTGAGCTCTTT
CTCAGAAGCTGCTACAAGATGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001282521
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).
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).

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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_001282521.1, NP_001269450.1

RefSeq Size: 1441 bp

RefSeq ORF: 582 bp

Locus ID: 83596

UniProt ID: Q9HB09

Cytogenetics: 19q13.33

Protein Families: Druggable Genome

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] Transcript Variant: This variant (12) lacks three alternate coding exons, which results in a frameshift, compared to variant 1. The encoded isoform (7, also known as is.8) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.