

Product datasheet for MR228668

Bcl2l1 (NM 001289716) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Bcl2l1 (NM_001289716) Mouse Tagged ORF Clone

Tag: Myc-DDK Bcl2l1

Synonyms: Bcl; Bcl(X; Bcl(X)L; bcl-; bcl-x; Bcl-XL; bcl2-L-1; Bcl2l; BclX

Mammalian Cell Neomycin

Selection:

Symbol:

Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >MR228668 representing NM_001289716 Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCTCAGAGCAACCGGGAGCTGGTGGTCGACTTTCTCTCCTACAAGCTTTCCCAGAAAGGATACAGCT GGAGTCAGTTTAGTGATGTCGAAGAGAATAGGACTGAGGCCCCAGAAGAAACTGAAGCAGAGAGGGGAGAC CCCCAGTGCCATCAATGGCAACCCATCCTGGCACCTGGCGGATAGCCCGGCCGTGAATGGAGCCACTGGC GCGATGAGTTTGAACTGCGGTACCGGAGAGCGTTCAGTGATCTAACATCCCAGCTTCACATAACCCCAGG GACCGCGTATCAGAGCTTTGAGCAGGTAGTGAATGAACTCTTTCGGGATGGAGTAAACTGGGGTCGCATC GTGGCCTTTTTCTCCTTTGGCGGGGCACTGTGCGTGGAAAGCGTAGACAAGGAGATGCAGGTATTGGTGA GTCGGATTGCAAGTTGGATGGCCACCTATCTGAATGACCACCTAGAGCCTTGGATCCAGGAGAACGGCGG CTGGGACACTTTTGTGGATCTCTACGGGAACAATGCAGCAGCCGAGAGCCCGAAAAGGCCAGGAGCGCTTC AACCGCTGGTTCCTGACGGGCATGACTGTGGCTGGTGTGGTTCTGCTGGGCTCACTCTTCAGTCGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



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ORÏGENE

Protein Sequence: >MR228668 representing NM_001289716

Red=Cloning site Green=Tags(s)

MSQSNRELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEETEAERETPSAINGNPSWHLADSPAVNGATG HSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRI VAFFSFGGALCVESVDKEMQVLVSRIASWMATYLNDHLEPWIQENGGWDTFVDLYGNNAAAESRKGQERF NRWFLTGMTVAGVVLLGSLFSRK

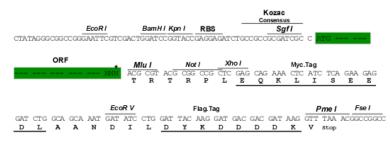
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001289716

ORF Size: 699 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:

- 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 001289716.1</u>, <u>NP 001276645.1</u>

RefSeq Size: 2627 bp
RefSeq ORF: 702 bp
Locus ID: 12048
UniProt ID: Q64373

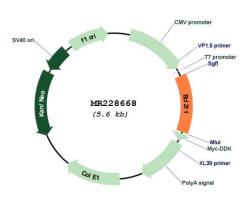
Cytogenetics: 2 H1

MW: 26.1 kDa

Gene Summary:

This gene encodes a member of the Bcl-2 family of apoptosis regulators. The encoded protein is localized to the inner and outer mitochondrial membranes and regulates the programmed cell death pathway during development and tissue homeostasis. This protein binds to voltage-dependent anion channels in the outer mitochondrial membrane to facilitate the uptake of calcium ions. Mice embryos lacking this gene survived for two weeks and exhibited cell death of immature hematopoietic cells and neurons. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jan 2014]

Product images:



Circular map for MR228668