

Product datasheet for **RC212528**

Bim (BCL2L11) (NM_006538) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bim (BCL2L11) (NM_006538) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bim
Synonyms: BAM; BIM; BOD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC212528 representing NM_006538
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGGCAAAGCAACCTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCGGAGA
GGCCTCCCAGCTCAGACCTGGGGCCCCTACCTCCCTACAGACAGAGCCACAAGACAGGAGCCCAGCACC
CATGAGTTGTGACAAATCAACACAAACCCCAAGTCTCCTTGGCCAGGCCTCAACCACTATCTCAGTGCA
ATGGCTTCCATGAGGCAGGCTGAACCTGCAGATATGCGCCAGAGATATGGATCGCCCAAGAGTTGCGGC
GTATTGGAGACGAGTTTAAACGTTACTATGCAAGGAGGGTATTTTGAATAATTACCAAGCAGCCGAAGA
CCACCCACGAATGTTATCTTACGACTGTTACGTTACATTGTCCGCCTGGTGTGGAGAATGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212528 representing NM_006538
Red=Cloning site Green=Tags(s)

MAKQPSDVSSECDREGRQLQPAERPPQLRPGAPTSLQTEPQDRSPAPMSCDKSTQTPSPPCQAFNHYLSA
MASMRQAEPADMRPEIWIQAQLRRIGDEFNAYYARRVFLNYYQAAEDHPRMVILRLRLRYIVRLVWRMH

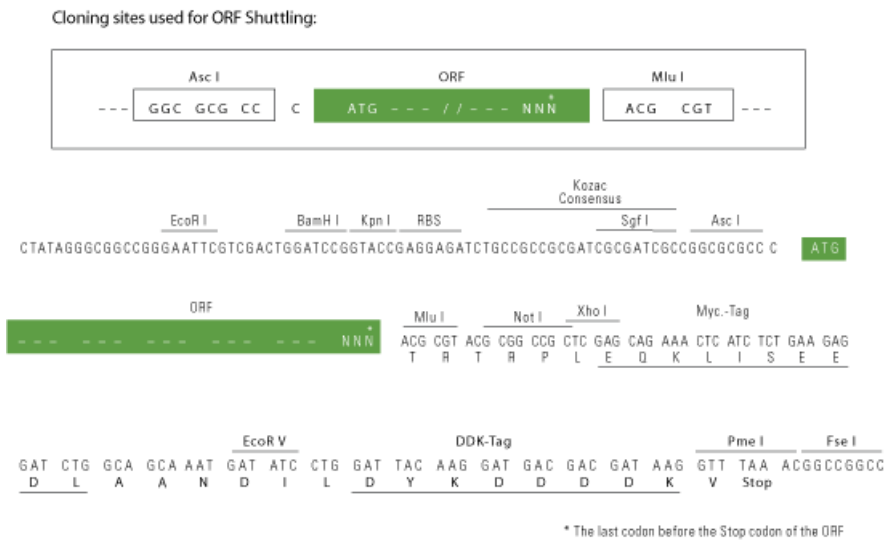
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6851_a01.zip

Restriction Sites: AscI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_006538

ORF Size: 414 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

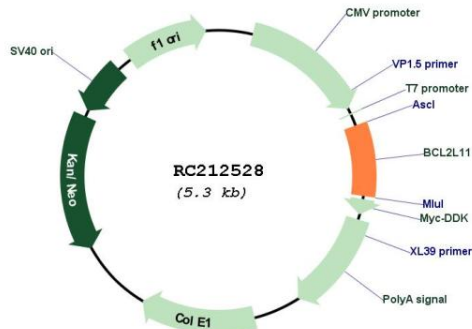
Reconstitution Method:

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.

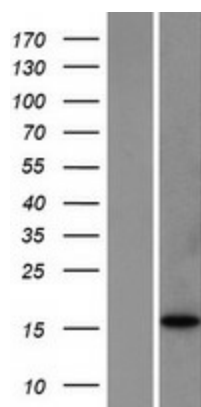
RefSeq: [NM_006538.5](#)
RefSeq Size: 3242 bp
RefSeq ORF: 417 bp
Locus ID: 10018
UniProt ID: [O43521](#)
Cytogenetics: 2q13
Protein Families: Druggable Genome
MW: 15.8 kDa

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 a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family and to act as an apoptotic activator. The expression of this gene can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of this gene in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse counterpart suggested that this gene functions as an essential initiator of apoptosis in thymocyte-negative selection. Several alternatively spliced transcript variants of this gene have been identified. [provided by RefSeq, Jun 2013]

Product images:



Circular map for RC212528



Western blot validation of overexpression lysate (Cat# [LY416580]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212528 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).