

Product datasheet for **RC231794**

Bim (BCL2L11) (NM_001204109) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bim (BCL2L11) (NM_001204109) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BCL2L11
Synonyms: BAM; BIM; BOD
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231794 representing NM_001204109
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAAAGCAACCTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCGGAGA
GGCCTCCCAGCTCAGACCTGGGGCCCTACCTCCCTACAGACAGAGCCACAAGGTAATCCTGAAGGCAA
TCACGGAGGTGAAGGGGACAGCTGCCCCACGGCAGCCCTCAGGGCCCGCTGGCCCCACCTGCCAGCCCT
GGCCCTTTTGCTACCAGATCCCCGCTTTTCATCTTTATGAGAAGATCCTCCCTGCTGTCTCGATCCTCCA
GTGGGTATTTCTCTTTTGACACAGACAGAGGCCAGCACCCATGAGTTGTGACAAATCAACACAAACCCC
AAGTCCTCCTTGCCAGGCCTTCAACCACTATCTCAGTGAATGGTTAGAGAAATAGAGGAAGTTGTCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231794 representing NM_001204109
Red=Cloning site **Green**=Tags(s)

MAKQPSDVSSECDREGRQLQPAERPPQLRPGAPTSLQTEPQGNPEGNHGGEGDSCPHGSPQGPLAPPASP
GPFATRSPLFIFMRRSSLLSRSSSGYFSFDTRSPAPMSCDKSTQTPSPPCQAFNHYLSAMVREIEEVVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

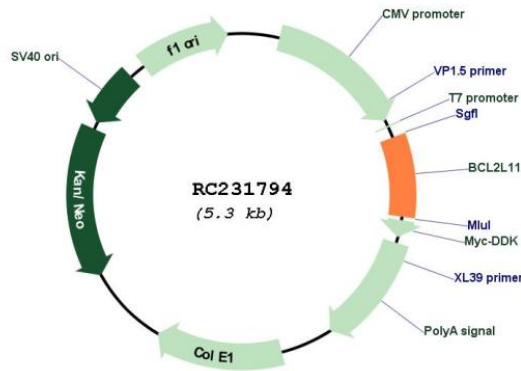


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001204109

ORF Size: 420 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:	<u>NM_001204109.1</u> , <u>NP_001191038.1</u>
RefSeq Size:	5127 bp
RefSeq ORF:	423 bp
Locus ID:	10018
UniProt ID:	<u>O43521</u>
Cytogenetics:	2q13
Protein Families:	Druggable Genome
MW:	15.5 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]