

## Product datasheet for **RG231794**

### **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:** TurboGFP  
**Symbol:** BCL2L11  
**Synonyms:** BAM; BIM; BOD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231794 representing NM\_001204109  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAAAGCAACCTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCGGAGA  
 GGCCTCCCAGCTCAGACCTGGGGCCCCTACCTCCCTACAGACAGAGCCACAAGGTAATCCTGAAGGCAA  
 TCACGGAGGTGAAGGGGACAGCTGCCCCACGGCAGCCCTCAGGGCCCGCTGGCCCCACCTGCCAGCCCT  
 GGCCCTTTTGTACCAGATCCCCGCTTTTCATCTTTATGAGAAGATCCTCCCTGCTGTCTCGATCCTCCA  
 GTGGGTATTTCTTTTGACACAGACAGGAGCCAGCACCCATGAGTTGTGACAAATCAACACAAACCCC  
 AAGTCTCCTTGCCAGGCCTCAACCACATCTCAGTGAATGGTTAGAGAAATAGAGGAAGTTGTCGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231794 representing NM\_001204109  
 Red=Cloning site Green=Tags(s)  
 MAKQPSDVSSECDREGRQLQPAERPPQLRPGAPTSLQTEPQGNPEGNHGGEGDSCPHGSPQGPLAPPASP  
 GPFATRSPLFIFMRRSLLSRSSSGYFSDTDRSPAPMSCDKSTQTPSPQCQAFNHYLSAMVREIEEVVV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

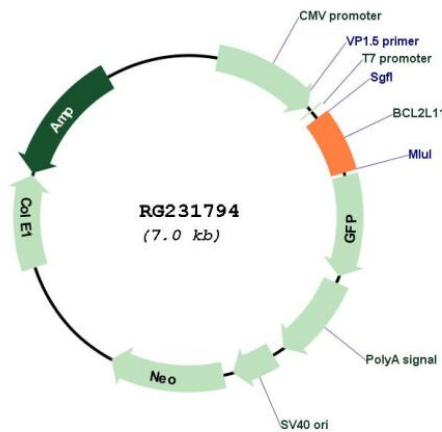


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Cloning Scheme:



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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001204109.1</a></u> , <u><a href="#">NP_001191038.1</a></u>
<b>RefSeq Size:</b>	5127 bp
<b>RefSeq ORF:</b>	423 bp
<b>Locus ID:</b>	10018
<b>UniProt ID:</b>	<u><a href="#">O43521</a></u>
<b>Cytogenetics:</b>	2q13
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]