

Product datasheet for **SC310674**

Bim (BCL2L11) (NM_006538) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bim (BCL2L11) (NM_006538) Human Untagged Clone
Tag:	Tag Free
Symbol:	Bim
Synonyms:	BAM; BIM; BOD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006538, the custom clone sequence may differ by one or more nucleotides

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ATGGCAAAGCAACCTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCCGAGA  
GGCCTCCCAGCTCAGACCTGGGGCCCCTACCTCCCTACAGACAGAGCCACAAGACAGGAGCCCAGCACC  
CATGAGTTGTGACAAATCAACACAAACCCCAAGTCCTCCTTGCCAGGCCTTCAACCACTATCTCAGTGCA  
ATGGCTTCCATGAGGCAGGCTGAACCTGCAGATATGCGCCAGAGATATGGATCGCCCAAGAGTTGCGGC  
GTATTGGAGACGAGTTTAAACGTTACTATGCAAGGAGGGTATTTTGAATAATTACCAAGCAGCCGAAGA  
CCACCCACGAATGGTTATCTTACGACTGTACGTTACATTGTCCGCCTGGTGTGGAGAATGCATTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006538 unedited NGACGTCAAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCAAATGGCAAAGCAAC CTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCGGAGAGGC CTCCCCAGCTCAGACCTGGGGCCCCTACCTCCCTACAGACAGAGCCACAAGACAGGAGCC CAGCACCATGAGTTGTGACAAAACAACAAAACCCCAAGTCCTCCTTCCAGGCCTTCA ACCACTATCTCAGTGAATGGCTTCCATGAGGCAGGCTGAACCTGCAGATATGCGCCAG AGATATGGATCGCCCAAGAGTTGCGGCGTATTGGAGACGAGTTTAAACGCTTACTATGCAA GGAGGGTATTTTTGAATAATTACCAAGCAGCCGAAGACCACCCACGAATGGTTATCTTAC GACTGTTACGTTACATTGTCCGCTGGTGTGGAGAATGCATTGACTCGACTCTAGATTGC GGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCC AGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAA ATTAAGTTGCATATTTTGTCTGACTAGGTGCCTTCTATAATATTATGGGGTGGAGGGG GGGTGGTATNGGANCAAGGGCANGTTGGGAAGACAACCTGTAAGGCCTGCGGGTCTAT TGGGAACCAAACCTGGAGTGCAGGGGCACAATCTTGGCTCAATGCAATCTCCGCTCCTGG GTTCAGCGATTCTCTGCCTCAACCTCCCATTGTGGGATTCCAGCATGCATGACCGG CCAAATAATTTTTGTTTTTTGTAAGAACGGGTTTCACCATATGG
Restriction Sites:	Please inquire
ACCN:	NM_006538
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_006538.2 , NP_006529.1
RefSeq Size:	3242 bp
RefSeq ORF:	417 bp
Locus ID:	10018
UniProt ID:	O43521
Cytogenetics:	2q13
Protein Families:	Druggable Genome

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]

Transcript Variant: This variant (6, also known as BimL) lacks an in-frame segment in the 5' coding coding region, compared to variant 1. The resulting isoform (6) is shorter, 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.