

Product datasheet for **SC329709**

Bim (BCL2L11) (NM_001204108) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bim (BCL2L11) (NM_001204108) Human Untagged Clone
Tag: Tag Free
Symbol: Bim
Synonyms: BAM; BIM; BOD
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329709 representing NM_001204108.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

ATGGCAAAGCAACCTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCGGAG
AGGCCTCCCCAGCTCAGACCTGGGGCCCTACCTCCCTACAGACAGAGCCACAAGGTAATCCTGAAGGC
AATCACGGAGGTGAAGGGGACAGCTGCCCCACGGCAGCCCTCAGGGCCCGCTGGCCCCACCTGCCAGC
CCTGGCCCTTTTCTACCAGATCCCGCTTTTCATCTTTATGAGAAGATCCTCCCTGCTGTCTCGATCC
TCCAGTGGGTATTTCTCTTTGACACAGACAGGAGCCAGCACCCATGAGTTGTGACAAATCAACACAA
ACCCCAAGTCCTCCTTGCCAGGCCTTCAACCACTATCTCAGTGCAATGGCTTCCATGAGGCAGGCTGAA
CCTGCAGATATGCGCCAGAGATATGGATCGCCCAAGAGTTGCGGCGTATTGGAGACGAGTTTAACGCT
TACTATGCAAGGAGGATGCCTCTCCACCTGAT**TAA**

Restriction Sites: SgfI-MluI

ACCN: NM_001204108

Insert Size: 519 bp

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).

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).



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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_001204108.1](#)

RefSeq Size: 5238 bp

RefSeq ORF: 519 bp

Locus ID: 10018

UniProt ID: [O43521](#)

Cytogenetics: 2q13

Protein Families: Druggable Genome

MW: 18.8 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]

Transcript Variant: This variant (13) contains an alternate internal exon, and differs in the 3' coding region and UTR, compared to variant 1. The resulting isoform (13) has a shorter and distinct C-terminus, compared to isoform 1. This record was created to support clinical studies, but the encoded isoform currently lacks experimental evidence. 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.