

Product datasheet for SC329710

Bim (BCL2L11) (NM_001204109) Human Untagged Clone

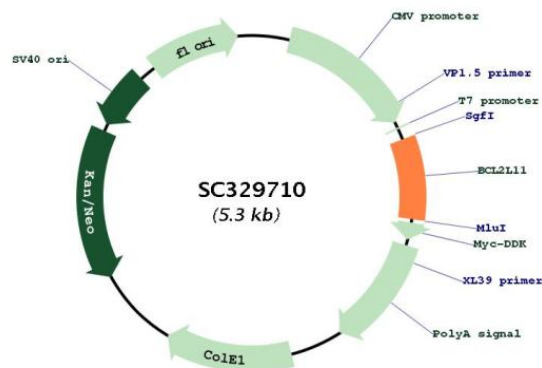
Product data:

Product Type:	Expression Plasmids
Product Name:	Bim (BCL2L11) (NM_001204109) Human Untagged Clone
Tag:	Tag Free
Symbol:	BCL2L11
Synonyms:	BAM; BIM; BOD
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329710 representing NM_001204109. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGAAAGCAACCTTCTGATGTAAGTTCTGAGTGTGACCGAGAAGGTAGACAATTGCAGCCTGCGGAG
AGGCCTCCCAGCTCAGACCTGGGGCCCTACCTCCACAGACAGAGCCACAAGGTAATCCTGAAGGC
AATCACGGAGGTGAAGGGGACAGCTGCCCCACGGCAGCCCTCAGGGCCCGCTGGCCCCACCTGCCAGC
CCTGGCCCTTTTGCTACCAGATCCCGCTTTTCATCTTTATGAGAAGATCCTCCCTGCTGTCTCGATCC
TCCAGTGGGTATTTCTCTTTTGACACAGACAGGAGCCAGCACCCATGAGTTGTGACAAAATCAACACAA
ACCCCAAGTCCTCCTTGCCAGGCCTTCAACCACTATCTCAGTGCAATGGTTAGAGAAATAGAGGAAGTT
GTCGTGTAG

Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001204109
Insert Size:	423 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).
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_001204109.1
RefSeq Size:	5127 bp
RefSeq ORF:	423 bp
Locus ID:	10018
UniProt ID:	O43521
Cytogenetics:	2q13
Protein Families:	Druggable Genome
MW:	15 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 (14) lacks an internal exon, contains an alternate internal exon, and differs in the 3' coding region and UTR, compared to variant 1. The resulting isoform (14) 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.