

Product datasheet for **SC108507**

Bax inhibitor 1 (TMBIM6) (NM_003217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bax inhibitor 1 (TMBIM6) (NM_003217) Human Untagged Clone
Tag:	Tag Free
Symbol:	Bax inhibitor 1
Synonyms:	BAXI1; BI-1; TEGT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003217, the custom clone sequence may differ by one or more nucleotides

```
ATGAACATATTTGATCGAAAGATCAACTTTGATGCGCTTTTAAAATTTTCTCATATAACCCCGTCAACGC
AGCAGCACCTGAAGAAGGTCTATGCAAGTTTTGCCCTTTGTATGTTTGTGGCGGCTGCAGGGCCTATGT
CCATATGGTCACTCATTTCAATCAGGCTGGCCTGCTGTCTGCCTTGGGCTCCCTGATATTGATGATTTGG
CTGATGGCAACACCTCATAGCCATGAACTGAACAGAAAAGACTGGGACTTCTTGCTGGATTTGCATTCC
TTACAGGAGTTGGCCTGGGCCCTGCCCTGGAGTTTGTATTGCTGTCAACCCAGCATCCTTCCCACTGC
TTTCATGGGCACGGCAATGATCTTTACCTGCTTACCCTCAGTGCCTATGCCAGGCGCCGTAGCTAC
CTCTTTCTGGGAGGTATCTTGATGTCAGCCCTGAGCTTGTGCTTTTGTCTTCCCTGGGGAATGTTTCT
TTGGATCCATTTGGCTTTTCCAGGCAAACCTGTATGTGGGACTGGTGGTCATGTGTGGCTTCGTCTTTT
TGATACTCAACTCATTATTGAAAAGGCCGAACATGGAGATCAAGATTATATCTGGCACTGCATTGATCTC
TTCTTAGATTTTCACTACTGTCTTCAGAAAACCTCATGATGATCCTGGCCATGAATGAAAAGGATAAGAAGA
AAGAGAAGAAATGA
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003217 unedited
 ACGACTTACTATAGGCGGACGCGCAATTCGCACGAGGAGGCCTTGGAGAGGCGGGTTAGG
 AAGAGTGGAGACTGCTGCACGGACTCTGGAACCATGAACATATTTGATCGAAAGATCAAC
 TTTGATGCGCTTTTAAAAATTTCTCATATAACCCCGTCAACGCAGCAGCACCTGAAGAAG
 GTCTATGCAAGTTTTGCCCTTTGATGTTTGTGGCGGCTGCAGGGGCCTATGTCCATATG
 GTCACCTATTTTCATTGAGGCTGGCCTGCTGTCTGCCTGGGCTCCCTGATATTGATGATT
 TGGCTGATGGCAACACCTCATAGCCATGAACTGAACAGAAAAGACTGGGACTTCTTGCT
 GGATTTGCATTCCCTACAGGAGTTGGCCTGGGCCCTGCCCTGGAGTTTTGTATTGCTGTC
 AACCCAGCATCCTTCCCACTGCTTTCATGGGCACGGCAATGATCTTTACCTGCTTCACC
 CTCAGTGCACCTATGCCAGGCGCCGTAGCTACCTCTTTCTGGGAGGTATCTTGATGTCA
 GCCCTGAGCTTGTGCTTTTGTCTTCCCTGNGGAATGTTTTCTTTGGATCCATTTGGCTT
 TTCCAGGCAAACCTGTATGTGGACTGGTGGTCATGTGTGGCTTCGTCCTTTTGGATACT
 CAACTCATTATTGAAAAGCCGAACATGGAGATCAAGATTATATCTGGCACTGCATTGAT
 CTCTTCTAGATTTCTTACTGTCTTCAAGAACTCATGATGATCCTGGCCATGAATGAN
 AAGGGATAGAAGAAAGAGAAGAAATGAAGTGACCATCCAGCCTTCCCAATAGACTNNTCT
 TNCTTACCCCTCATTTNCTTTTTGCACACTTACAGGTGGGTGTCTGTGATATGAA
 AACATCAAAAAGCTTTGACTTTGGNNTCCTCTATTTGATNTTGGACANAACCTGATACA
 GATATANT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003217 unedited
 GACCGGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAAAGGTTAAGGAATTT
 TCTTTATTTTTTACAAAATAAGACTATGCAGATTTCATATATTTCTGAATCAAAAACACC
 TTTGTCTTACAGTATGAGTTAGAAATGCAGCCTGAGCTGAAAATCAAGAACTAGAAAAG
 AAAGTGGTAGAGATAACTATATTAATAAATCTGTTAGGTATTTCTTTAAAGTAGGGGTT
 TTTTTTTTTTCTTCTTTTTTTTTTTTTAATATCTTGGCATTCTTGGCACTGTTTCTAAA
 GAAAACTCCATTATCCCAAGCAAAAAGCACAGAAGGGGGAGTTTGGCTTCAAGAGATGT
 TAACTCAAAATCTTAGGCCTAGCAGAGAATCACAAATTTATGGAGAGTTAACAGGGGTT
 TAACAGGAAGGAAGTGCCTTTAGTAAGTTCTCAAGCCAGAGGCTGGAGGCAGCAGCTAAA
 TCAGAGGACAGCATCCTCAGTAAAAGTGAGCCATTCGGGGTGGCATGTCACTCCAGGAAT
 AAACACAACCTTAGAAAACAATGATTTCTGATAGGATAGCACAGTGACATGGTGCCTGTGAA
 CCTGAGCCACTGTGTCAAACCTGTGCACTGGTTGTGAATAGGGAGAGCCAAAAATATGAT
 CCTACTGGAAATGAGCTTCAATGGCTCGATCCTCTCACACTGAAGCTCTGTAAAGCAGT
 TTAACCACACAACCACTCCCACTTTGACCCTTCTGGGGGTACCTGTTTTGGGGCACCCA
 CAGGAAAGAGCCGGAGACCCCTTTGGACTTGCCCCCCCCTTGAACCCCAAACTGAGG
 GATTGGGGCCTCACTGGTTGGGCCCTACTTCCGCTAAAAGGCACCAATTCTGGAAAAGG
 GACAACCCAAACTAAGGGCTCTATAAAGGAT

Restriction Sites:

NotI-NotI

ACCN:

NM_003217

Insert Size:

2880 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:

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_003217.1](#), [NP_003208.1](#)

RefSeq Size: 2600 bp

RefSeq ORF: 714 bp

Locus ID: 7009

UniProt ID: [P55061](#)

Cytogenetics: 12q13.12

Domains: UPF0005

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Suppressor of apoptosis (PubMed:21075086). Modulates unfolded protein response signaling (PubMed:21075086). Modulates ER calcium homeostasis by acting as a calcium-leak channel (PubMed:22128171). Negatively regulates autophagy and autophagosome formation, especially during periods of nutrient deprivation, and reduces cell survival during starvation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the predominant transcript and it encodes the shorter protein (isoform 1).