

Product datasheet for **SC316357**

Bax inhibitor 1 (TMBIM6) (NM_001098576) Human Untagged Clone

Product data:

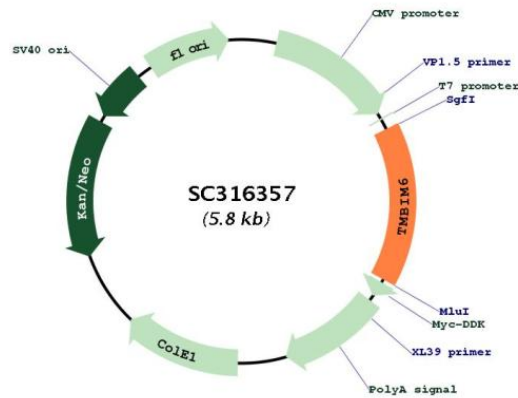
Product Type:	Expression Plasmids
Product Name:	Bax inhibitor 1 (TMBIM6) (NM_001098576) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMBIM6
Synonyms:	BAXI1; BI-1; TEGT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316357 representing NM_001098576. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCACACTCCTCTGTGACACGCGAGGCTCCTCAGTTACTTAGCCAACGGCAGAGGCGGGAAGTGAGA
GGAGTCTGGGGCTGGGGCTGCCTTCCAGGCCACGGGGCGGCCCGCTCTTTTCGGATTGGTTACCTTT
GGGCAGAGTGGAGACTGCTGCACGGACTCTGGAACCATGAACATATTTGATCGAAAGATCAACTTTGAT
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GAGTTTTGTATTGCTGTCAACCCAGCATCCTTCCCCTGCTTTTCATGGGCACGGCAATGATCTTTACC
TGCTTACCCTCAGTGCCTCTATGCCAGGCGCCGTAGCTACCTCTTCTGGGAGGTATCTTGATGTCA
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GCCGAACATGGAGATCAAGATTATCTGGCACTGCATTGATCTCTTCTTAGATTTCACTGTCTTC
AGAAAACATCATGATGATCCTGGCCATGAATGAAAAGGATAAGAAGAAAGAGAAGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001098576

Insert Size: 888 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).

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:

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_001098576.1](#)

RefSeq Size: 3255 bp

RefSeq ORF: 888 bp

Locus ID:	7009
UniProt ID:	P55061
Cytogenetics:	12q13.12
Protein Families:	Druggable Genome, Transmembrane
MW:	32.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses a different segment for the 5' UTR and 5' coding region, compared to variant 1. The resulting protein (isoform 2) is longer and has a distinct N-terminus when it is compared to isoform 1.</p>