

Product datasheet for **MC200781**

Tmbim6 (NM_026669) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmbim6 (NM_026669) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmbim6
Synonyms:	5031406P05Rik; Bi1; Tegt
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005588 sequence for NM_026669
TAGCAGAGCAGGGAAGCTCCGGAGAGGTGGGCTGAGAAGCGGAGGCTGCTGAACAGACTTTGGAGCCATG
AATATATTTGATCGGAAGATCAACTTTGATGCCCTCTTAAATTTTCCCACATAACTCCCTCGACACAGC
AGCACCTAAAGAAGGTCTATGCCAGTTTGCACATGTATGTTTGTGGCGGCAGCAGGGGCTATGTCCA
TGTGGTCACACACTTCATCCAGGCTGGCCTACTCTCCGCCCTGGGCTCCTGGCCTTGATGATTTGGCTG
ATGGCAACACCTCACAGCCATGAGACCGAGCAAAGAGACTGGGACTTCTCGCTGGCTTCGCCTTCCTCA
CAGGAGTCGGCCTGGGACCTGCCCTGGAGCTGTGCATCGCTGTCAACCCAGCATCCTCCCCACGGCCTT
CATGGGCACGGCCATGATCTTACCTGCTTCAGCCTGAGCGCCCTGTATGCCCGGCGCGGAGCTACCTG
TTTTTAGGAGGTATCTTGATGTACGCCATGAGCCTCATGCTCCTGTCTCTGGGGAACCTTTTCTTTG
GCTCCATTTGGCTGTTCCAGGCAAACCTGTACCTGGGACTGCTGGTCATGTGTGGCTTTGCTCTTTGA
TACTCAGCTCATTATTGAGAAGGCTGAACACGGAGATAAGGATTACATCTGGCACTGCGTTGACCTCTTC
CTAGATTTGTTACCTCTTCAGGAAGCTCATGTTGATCTTGGCCTTCAATGAGAAGGACAAGAAGAAAG
AAAAGAAGTGACCAACTGGCCGTGAGCCTTTCCAGCTCACCTTCTCCCCCACCACCCACCCCGTT
TCTTTGCACACATCACAGGTGCTGTTCTATGATAATGAAAGCATCAGGAAAGCTTTTGTACTTAGTGG
TTTTCTCTATTTGAAATTTTTTGTATCAAAAAGTATTAGTGAATATAGTTTGGAGTTTGGCTTCGTGT
CCTGGGTTCTTCCCGTCCCTTTCTGTGAGCCATCACAGCCACTGCTGCTGCTCAGACAGCCAGGCAC
CAGAAGTGAGAGCAGAAGTCTGCATCCTGCCGAGCTGCCGAGACGGAGCCCGCTGCTGACTGGACCTT
CTCTGGCCCCGTGGTTCGGTTCTCACAGTTCAGTGAGACTGGGCAGCGTGTTCCTGTCTGAGGTGC
CAGGCCTGCAGAGAGTGGACTCTGGTGGGTGCTTCTTCTCTGCTGCCTAACTGAGTCTGGCACAGGCT
TTCTGCCTTGCCATGAGGAGGAGGTGTAGACTTGTGAGTGTCTCTCCGCTGAGTGGCCCTCGGGGAA
CCACCTGCTTCCATCTGTGGGGTGGGGCGCTCGCTCCGAGTATGTGTGGCAAGTGGAGGCCACAATGC
CAAGGTTCCCTAGTGTGTTTTCTTTGTTGGTTCTTAAATATCAACCTTTGTTACGGATGGCCCTCCA
CTAGGTGGCTGTGGGTAAGTCTTGGGGGAGGATAGGAAAGGAGACCGGCTGAGCCTCAGGCTAATTG
TACTGAGTAAGGACTGCAGCTCCCGGTGACCGGAGGAGTGGTGGAGTGGGACTGGTACTCTCAGAAG
CTCCTCGGTGCACTTTTGTCTCGCAGAGCTGGGAGGAGTAGGGCTACGTCACTTACTGGGTTTGTTC
ACCTGTTTCCAGCAAGTTTTGGTCTTTTGGGCAGAAGCCTGTTGACCAACTGTGGGCCACCACAGTCTGC
ACAGAAAGGTGGCACCCGGAGTGGTTGTGGCCCTCACTACCAAGCCACGGGCAGCCCAATTTCCAGTAGGA
TGGCGGTTTGATTTCTTTGCTCAGAGCCAATGCAGTTGACACAGTGGCTGCTGGGTTACTGTCCCATGA
GACTGCATTGGACGGGTGCAGCCAGAGTGGCGAGTGCCTAAGGTGCCGGCCGCTGCTGCCCGGTG
CCTCCCCTGACCTGAGCTTACTAAGGGATGGCAGCAGCTCCCCAGAAAAAACGACTGCGAGCCCTC
GGGACATGACTGAGTTCACCTCTGAAGCCAGACTCCACCTCTTGTGCTTTTTTGTGGAAAAAGGA
GTTTTTCTTTAGAAACAGTGCCAAGAATGATATAAACTACTTTTAACTAAGATGCCTAACAGGCTTTTAA
CACAGGTGTCATCTCCACTCTGTCCCCGTCTGTGCCAGCTCAGGCTGCGTTCTTAACTCATACTG
TGAAGACAACCGTGTTTTTGATTAATAAAAAATATATCTACATAGTCTTAAATTTGAAAAATAAAGAAAA
TTCCTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026669

Insert Size: 714 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: [BC005588](#), [AAH05588](#)

RefSeq Size: 2331 bp

RefSeq ORF: 714 bp

Locus ID: 110213

UniProt ID: [Q9D2C7](#)

Cytogenetics: 15 56.13 cM

Gene Summary: Suppressor of apoptosis (By similarity). Modulates unfolded protein response signaling (By similarity). Modulates ER calcium homeostasis by acting as a calcium-leak channel (By similarity). Negatively regulates autophagy and autophagosome formation, especially during periods of nutrient deprivation, and reduces cell survival during starvation (PubMed:21926971).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1 through 4 encode the same protein.