

## Product datasheet for **RC236188**

### TMBIM4 (NM\_001282609) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMBIM4 (NM\_001282609) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TMBIM4  
**Synonyms:** CGI-119; GAAP; LFG4; S1R; ZPRO  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC236188 representing NM\_001282609  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCTGACCCCGACCCCGGTACCCTCGCTCCTCGATCGAGGACGACTTCAACTATGGCAGCAGCGTGG  
CCTCCGCCACCGTGCACATCCGAATGGCCTTTCTGAGAAAAGTCTACAGCATTCTTTCTCTGCAGGTTCT  
CTTAACACAGTGACTTCAACAGTTTTTTTATACTTTGAGTCTGTACGGACATTTGTACATGAGAGTCCT  
GCCTTAATTTTGCTGTTTGCCCTCGGATCTCTGGGTTTGATTTTGCCTTGATTTTAAACAGACATAAGT  
ATCCCCCTAACCTGTACCTACTTTTTGGATTTACGCTGTTGGAAGCTCTGACTGTGGCAGTTGTTGTAC  
TTTCTATGATGTATATATTATTCTGCAAGCTTTCATACTGACTACTACAGTATTTTTTGGTTTGACTGTG  
TATACTCTACAATCTAAGAAGGATTTTCAGCAAATTTGGAGCAGGATTCTTGAAGTTTTTTTTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236188 representing NM\_001282609  
Red=Cloning site Green=Tags(s)

MADPDPYPRSSIEDDFNYGSSVASATVHIRMAFLRKVYSILSLQVLLTTVTSTVFLYFESVRTFVHESP  
 ALILLFALGSLGLIFALILNRHKYPLNL YLLFGFTLLEALTVAVVVTFYDVYIILQAFILTTTVFFGLTV  
 YTLQSKKDFSKFGAGILEVFFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001282609

**ORF Size:** 486 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001282609.1](#), [NP\\_001269538.1](#)

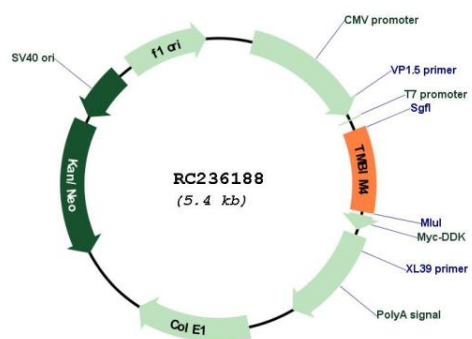
**RefSeq Size:** 1843 bp

**RefSeq ORF:** 489 bp

**Locus ID:** 51643

UniProt ID:	<u><a href="#">Q9HC24</a></u>
Cytogenetics:	12q14.3
Protein Families:	Transmembrane
MW:	18.7 kDa
Gene Summary:	Anti-apoptotic protein which can inhibit apoptosis induced by intrinsic and extrinsic apoptotic stimuli. Can modulate both capacitative Ca <sup>2+</sup> entry and inositol 1,4,5-trisphosphate (IP3)-mediated Ca <sup>2+</sup> release.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC236188