

Product datasheet for **SC334468**

TMBIM4 (NM_001282610) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMBIM4 (NM_001282610) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMBIM4
Synonyms:	CGI-119; GAAP; LFG4; S1R; ZPRO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282610, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCAGCGTGGCCTCCGCCACCGTGCACATCCGAATGGGTTCTCTTAACACAGTGACTTCAACAG
TTTTTTTATACTTTGAGTCTGTACGGACATTTGTACATGAGAGTCCTGCCTTAATTTTGCTGTTGCCCT
CGGATCTCTGGGTTTGATTTTTCGCTTGATTTTAAACAGACATAAGTATCCCTTAACCTGTACCTACTT
TTTGGATTTACGCTGTTGGAAGCTCTGACTGTGGCAGTTGTTGTTACTTTCTATGATGTATATATTATTC
TGCAAGCTTTCATACTGACTACTACAGTATTTTTGGTTTGACTGTGTACTCTACAATCTAAGAAGGA
TTTCAGCAAATTTGGAGCAGGGCTGTTTGCTCTTTTGTGGATATTGTGCCTGTCAGGATTCTTGAAGTTT
TTTTTTTATAGTGAGATAATGGAGTTGGTCTTAGCCGCTGCAGGAGCCCTCTTTTCTGTGGATTATCA
TCTATGACACACACTCACTGATGCATAAACTGTCACCTGAAGAGTACGTATTAGCTGCCATCAGCCTCTA
CTTGGATATCATCAATCTATTCTGACCTGTTACGGTTTCTGGAAGCAGTTAATAAAAAGTAA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282610
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).



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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_001282610.1](#), [NP_001269539.1](#)

RefSeq Size: 1840 bp

RefSeq ORF: 624 bp

Locus ID: 51643

UniProt ID: [Q9HC24](#)

Cytogenetics: 12q14.3

Protein Families: Transmembrane

Gene Summary: Anti-apoptotic protein which can inhibit apoptosis induced by intrinsic and extrinsic apoptotic stimuli. Can modulate both capacitative Ca²⁺ entry and inositol 1,4,5-trisphosphate (IP₃)-mediated Ca²⁺ release.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) uses an alternate splice site in the 5' coding region which results in the use of an alternate translational start codon, compared to variant 1. The encoded isoform (d) has a distinct N-terminus and is shorter than isoform a.