

Product datasheet for **SC304376**

TMBIM4 (NM_016056) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMBIM4 (NM_016056) 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:	>SC304376 representing NM_016056. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGGCTGACCCCGACCCCGGTACCCTCGCTCCTCGATCGAGGACGACTTCAACTATGGCAGCAGCGTG
 GCCTCCGCCACCGTGCACATCCGAATGGCCTTTCTGAGAAAAGTCTACAGCATTCTTTCTCTGCAGGTT
 CTCTTAACACAGTGACTTCAACAGTTTTTTTATACTTTGAGTCTGTACGGACATTTGTACATGAGAGT
 CCTGCCTTAATTTTGTGTTTGGCCTCGGATCTCTGGGTTTGATTTTTCGTTGATTTTAAACAGACAT
 AAGTATCCCTTAACCTGTACCTACTTTTTGGATTTACGCTGTTGGAAGCTCTGACTGTGGCAGTTGTT
 GTTACTTTCTATGATGTATATATTATTCTGCAAGCTTTCATACTGACTACTACAGTATTTTTTGGTTTG
 ACTGTGTATACTCTACAATCTAAGAAGGATTTTCAGCAAATTTGGAGCAGGGCTGTTTGCTCTTTTGTGG
 ATATTGTGCCTGTGAGGATCTTGAAGTTTTTTTTTATAGTGAGATAATGGAGTTGGTCTTAGCCGCT
 GCAGGAGCCCTTCTTTCTGTGGATTATCATCTATGACACACACTCACTGATGCATAAACTGTCACCT
 GAAGAGTACGTATTAGCTGCCATCAGCCTCTACTTGGATATCATCAATCTATTCTGCACCTGTTACGG
 TTTCTGGAAGCAGTTAATAAAAGTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_016056
Insert Size:	717 bp


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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:	<u>NM_016056.3</u>
RefSeq Size:	1878 bp
RefSeq ORF:	717 bp
Locus ID:	51643
UniProt ID:	<u>Q9HC24</u>
Cytogenetics:	12q14.3
Domains:	UPF0005
Protein Families:	Transmembrane
MW:	27 kDa
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 (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.