

Product datasheet for RC236188

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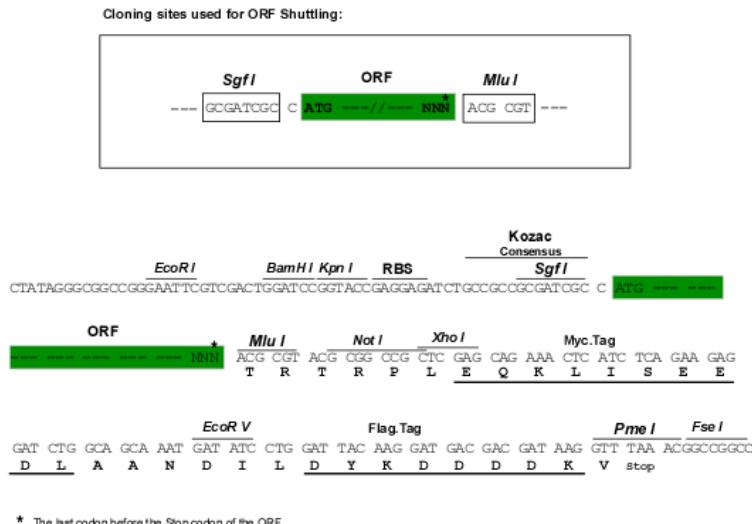
TMBIM4 (NM_001282609) Human Tagged ORF Clone

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:	<p>>RC236188 representing NM_001282609</p> <p>Red=Cloning site Blue=ORF Green=Tags(s)</p> <pre>TTTGTAAATACGACTCACTATAAGGGCGCCGGATTCTCGACTGGATCCGTACCGAGGAGATCTGCC GCCGCGATCGCC</pre> <pre>ATGGCTGACCCGACCCCGTACCCCTCGCTCTCGATCGAGGACGACTTCAACTATGGCAGCAGCGTGG CCTCGCCACCGTGCACATCGAATGCCCTCTGAGAAAAGTCTACAGCATTCTCTGCAGGTTCT CTTAACACTACAGTGAATTCAACAGTTTTTAACTTTGAGTCTGTACGGACATTGTACATGAGAGTCCT GCCTTAATTTGCTGTTGCCCTCGGATCTGGGTTGATTTGCGTTGATTTAACAGACATAAGT ATCCCCTAACCTGTACCTACTTTGGATTACGCTGTTGAAAGCTCTGACTGTGGCAGTTGTTAC TTCTATGATGTATATTATTCTGCAAGCTTCATACTGACTACTACAGTATTTGGTTGACTGTG TATACTCTACAATCTAAGAAGGATTCAGCAAATTGGAGCAGGGATTCTGAAGTTTTTTTA</pre> <pre>ACCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGTTAA</pre> <p>>RC236188 representing NM_001282609</p> <p>Red=Cloning site Green=Tags(s)</p> <pre>MADPDPRYPRSSIEDDFNYGSSVASATVHIRMAFLRKVYSILSLQVLLTTVTSTVFLYFESVRTFVHESP ALILLFALGSLGLIFALILNRHKYPLNLYLLFGTLLEALTVAVVTFYDVYIILQAFILTTVFFGLTV YTLQSKKDFSKFGAGILEVFFL</pre> <pre>TRTRPLEQKLISEEDLAANDILDYKDDDKV</pre>
Protein Sequence:	
Restriction Sites:	Sgfl-Mlul



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: [Q9HC24](#)

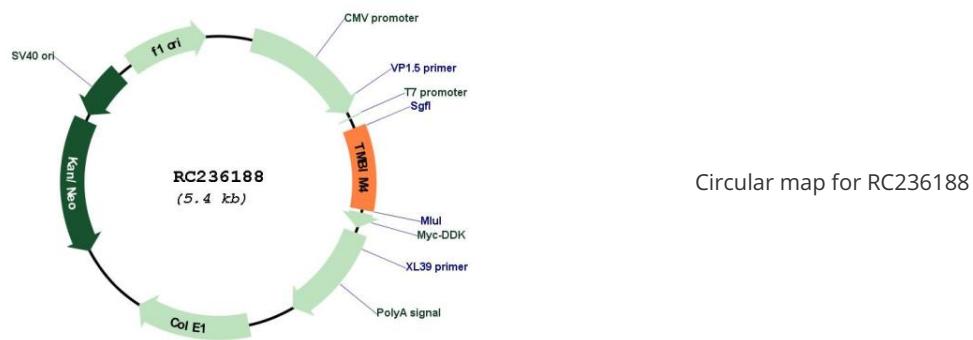
Cytogenetics: 12q14.3

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 Ca²⁺ entry and inositol 1,4,5-trisphosphate (IP3)-mediated Ca²⁺ release.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC236188