

Product datasheet for SC112816

TMBIM1 (NM_022152) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMBIM1
Synonyms:	LFG3; MST100; MSTP100; PPI201; RECS1
Mammalian Cell	None
Selection:	
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112816 sequence for NM_022152 edited (data generated by NextGen Sequencing) <pre> ATGTCCAACCCAGCGCCCCACCACCATATGAAGACCGCAACCCCTGTACCCAGGCCCT CTGCCCCCTGGGGCTATGGGCAGCCATCTGCTCTGCCAGGAGGGTATCCTGCCTACCC GGCTACCCGAGCCTGGCTACGGTCACCCCTGCTGGCTACCCACAGCCCATGCCCCCACC CACCCGATGCCCATGAACTACGGCCAGGCCATGGCTATGATGGGGAGGAGAGCGGTG AGTGATAGCTTCGGGCCTGGAGAGTGGGATGACCGGAAAGTGCACACACTTTTATCCGA AAGGTTTACTCCATCATCTCCGTGCAGCTGCTCATCACTGTGGCCATCATTGCTATCTTC ACCTTTGTGGAACCTGTCAGCGCCTTTGTGAGGAGAAATGTGGCTGTCTACTACGTGTCC TATGCTGTCTTCGTTGTACCTACCTGATCCTTGCTGCTGCCAGGAGCCAGACGCCGT TTCCCATGGAACATCATTCTGCTGACCCCTTTTACTTTTGCCATGGGCTTCATGACGGGC ACCATTTCCAGTATGTACCAAACCAAGCCGTCATCATTGCAATGATCATCACTGCGGTG GTATCCATTTCACTCACCATCTTCTGCTTTCAGACCAAGGTGGACTTCACCTCGTGACA GGCCTCTTCTGTCTCCTGGGAATTGTCTCCTGGTGACTGGGATTGTCACTAGCATTGTG CTCTACTTCCAATACGTTTACTGGCTCCACATGCTCTATGCTGCTCTGGGGGCCATTTGT TTCACCTGTTCCTGGCTTACGACACACAGCTGGTCTGGGGAACCGGAAGCACACCATC AGCCCCGAGGACTACATCACTGGCGCCCTGCAGATTTACACAGACATCATCTACATCTTC ACCTTTGTGCTGCAGCTGATGGGGGATCGCAATTAA </pre>

Clone variation with respect to NM_022152.4
62 c=>t



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_022152 unedited
GGTTCGGGATTTGTAAACCGACTTCATATAGGGCGGCCGCGCAATTCGCACGAGGCAGGA
ACGCTCTCGTCTGGACGGCGCAGGTCCCAGCAGCTGGGTTCCCCCTCAGCCCGTGAGCA
GCCATGTCCAACCCAGCGCCCCACCACCATATGAAGACCGCAACCCCTGTACCCAGGC
CCTCTGCCCCCTGGGGCTATGGGCAGCCATCTGTCTGCCAGGAGGTATCCTGCCTAC
CCTGGTACCCGACGCTGGCTACGGTCACCTGCTGGCTACCCACAGCCCATGCCCCCC
ACCCACCCGATGCCATGAACACGGCCAGGCCATGGCTATGATGGGAGGAGAGAGCG
GTGAGTGATAGCTTCGGGCCTGGAGAGTGGGATGACCGAAAGTGCACACACTTTTATC
CGAAAGGTTTACTCCATCATCTCCGTGCAGCTGCTCATCACTGTGGCCATCATTGCTATC
TTCACCTTTGTGGAACCTGTACGCGCTTTGTGAGGAGAAATGTGGCTGTCTACTACGTG
TCCTATGCTGTCTTCGTTGTACCTACCTGATCCTTGCCTGCTGCCAGGGAGCCAGACGC
CGTTTTCCCATGGAACATATTCTGCTGACCCTTTTACTTTTGCCATGGGCTTCATGACG
GGCACCATTTCAGTATGTACCAAACCAAGCCGTCATCATTGCAATGATCATCACTGCG
GTGGTATCCATTTAGTCACCATCTTCTGCTTTCAGACCAAGGTGGACTTCACCTCGTGC
ACAGGCCTCTTCTGTCTCTGGGAATTGTGCTCCTGGTACTGGGATTGCTACTAGCATT
GTGCTCTACTCCCATACGTTTACTGGNCTCACATGCTCTATGCTGCTCTGGGGCCATTG
TTTACCTGGTCTCTGGCTTACGAAAN

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_022152 unedited
NAACTTGCTTTAGCTTGCCGCGCCGCGCATTCTANGATCGAGTTTTTTTTTTTTTTTTT
AACTTCTAGACATAAAATTTTATTACATTTATAGTTGTATCCCTTTTGTGTATAGTTAG
GATTTCTCTATTAAGTAATTAATCCTAACTATATCCTTGGGCTGATTTGATTTCTGCCCC
CACCCGACAGACTGACCCTTGCCCCCTTCCCCATTCCAGCTCAAGGCACTTAATATTAC
AAAGAAGGCAGTGGCTGGCTGGAGAGATGGGCTCAAGTCAGAAATCCCCAGTGCAACT
TAAGACAAACAGAGAGAAGTCACCTTCCTCTTAGGACCCTCCCTGGGTTAGCAGAAGGAA
AGAACCAGAAAGTCTTCAGTACCACAGTAGGCTTCGGTATCTCCCTAGCCAGGTGAGGGA
CCCCAGGCATTCTCCCTGCCCGCACCGAGTCTCTTCCACCTGGCTACTTCTGGCCA
CACGTATGACTCTGCCCTTACTTTCTGCTCTGAGCTGCCTGAATACAGGAAGCAAGAGT
TCACTCTGACCAGAGATCCAGAAGCCTGCAGGGAGCCCCAGCAGCTTCAAGATGGGGAG
CAGATGCCACATGTGCCTGCTCTGCTTATAGCGTCACAAGCAGGAGCAGCCAGGGAGAT
GCTGTCCATGCTGCCCTGATAGGTACTTTGCTCGTCTATATCTGTCCCCATCTACCCA
GATAACATACTATGTCACTGAACAAGAGGGATTGAGCAAGAGACCATGGCACGATCTTTT
TACTTCTGAGCTANAGATGCAGCCAAGGATACAGATATGCCTATGTGTGAGAGCCGGGAC
AAGCTTCTGCTTGTGGGAGAAATACTCACTACGATCAAACCTGGACCAGTGGAGGGACTC
GGACTGAANCACTTACTTCTATCCTTA

Restriction Sites:

ECORI-NOT

ACCN:

NM_022152

Insert Size:

2380 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022152.4, NP_071435.2</u>
RefSeq Size:	2375 bp
RefSeq ORF:	936 bp
Locus ID:	64114
UniProt ID:	<u>Q969X1</u>
Cytogenetics:	2q35
Domains:	UPF0005
Protein Families:	Transmembrane
Gene Summary:	Negatively regulates aortic matrix metalloproteinase-9 (MMP9) production and may play a protective role in vascular remodeling.[UniProtKB/Swiss-Prot Function]