

Product datasheet for **RG202350**

TMBIM1 (NM_022152) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMBIM1
Synonyms:	LFG3; MST100; MSTP100; PPI201; RECS1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202350 representing NM_022152
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCCAACCCAGCGCCCCACCACCATATGAAGACCGCAACCCCTGTACCCAGGCCCTCTGCCCCCTG
GGGGCTATGGGCAGCCATCTGCTGCCAGGAGGGTATCCTGCCTACCCTGGCTACCCGAGCCTGGCTA
CGGTCAACCTGCTGGCTACCCACAGCCCATGCCCCACCCACCCGATGCCCATGAACTACGGCCAGGC
CATGGCTATGATGGGAGGAGAGAGCGGTGAGTGATAGCTTCGGGCCTGGAGAGTGGGATGACCGGAAAG
TGCGACACACTTTTATCCGAAAGGTTTACTCCATCATCTCCGTGCAGCTGCTCATCACTGTGCCATCAT
TGCTATCTTCACCTTTGTGGAACCTGTCAGCGCCTTTGTGAGGAGAAATGTGGCTGTCTACTACGTGTCC
TATGCTGTCTTCGTTGTACCTACCTGATCCTTGCCCTGCTGCCAGGGACCCAGACGCCGTTTCCCATGGA
ACATCATTCTGCTGACCTTTTACTTTTGCCATGGGCTTCATGACGGGACCATTTCCAGTATGTACCA
AACCAAAGCCGTCATCATTGCAATGATCATCACTGCGGTGGTATCCATTTCACTACCATCTTCTGCTTT
CAGACCAAGGTGGACTTCACCTCGTGACAGGCCTCTTCTGTGCTCGGGAATTGTGCTCCTGGTGACTG
GGATTGTCACTAGCATTGTGCTCTACTTCCAATACGTTTACTGGCTCCACATGCTCTATGCTGCTCTGGG
GGCCATTTGTTTACCCCTGTTCTGGCTTACGACACACAGCTGGTCTGGGGAACCGGAAGCACACCATC
AGCCCCGAGGACTACATCACTGGCGCCCTGCAGATTTACACAGACATCATCTACATCTTCACCTTTGTGC
TGCAGCTGATGGGGATCGCAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG202350 representing NM_022152
 Red=Cloning site Green=Tags(s)

MSNPSAPPYEDRNPLYPGPLPPGGYGQPSVLPGGYPAYPGYPQPGYGHAPAGYPQMPPTHMPMNYGPG
 HGYDGEERAVSDSFGPGEWDDRKVRHTFIRKVYSIISVQLLITVAIIAIFTFVEPVSAFVRRNVAVYYVS
 YAVFVVTYLILACCGPRRRFPWNIILLTLFTFAMGFMGTISSMYQTKAVIIAMIITAVVISVTIFCF
 QTKVDFTSCTGLFCVLGIVLLVTGIVTSIVLYFYQYVYLHMLYAALGAICFTLFLAYDTQLVLGNRKHTI
 SPEDYITGALQIYTDIIYIFTFVLQLMGDRN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022152

ORF Size: 933 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_022152.3](#)

RefSeq Size: 2375 bp

RefSeq ORF: 936 bp

Locus ID: 64114

UniProt ID: [Q969X1](#)

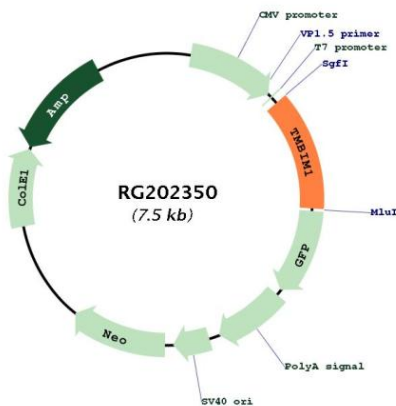
Cytogenetics: 2q35

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]

Product images:



Circular map for RG202350