

Product datasheet for MR225951

Tmbim7 (NM_029141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmbim7 (NM_029141) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmbim7
Synonyms:	4930403J02Rik; 4930500J03Rik; 4930511M11Rik; Lfg5; Lgf5; Tmbim1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225951 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAATAGACTTGGAGGTCAGTGAGCCAGTCAACTTTAGCTCTGGAGATCATCAACATCTGGTTCATA
CAGCAGCCATTAAGGTAACACTGGCAGACTGGATCAGCCCTTCACAGCTTCATCTGGAGACAGGGTACA
AGAAGCCGTACAATACTCACATCCAAGGAATAGAGATGGAGCAAATACCTATGCAGTACAAGTTTCTGAG
GATGTTACTCCCTCAAATGAGACTGTAATCAATCCATTCCCTTTGAAAACACGCTCTATTCGTAATGATT
TCATTATGAAAGTGTTCGTTCTGTCCATTCAGCTGTTTCATCACTGCAGTGATTATCGGCATCTTTGT
TTTCTGCGAACCTGTAAGAAAGTGGGTCATCGCCAAGCCCTGGTTCTGTATGCACTCCTCCAGCAGTT
ATGATTCTGATCTTTGACTCGTTGCTGCAGGGATATCCGGCGCCAAGTGCCCGCAAACACTACATCTCC
TGGCGTCTTTACCATTCTGGAAGGCCTGCTGCTCGGAAGCTTGTGAGTCTTCTACAGAGCAGAAGAGAT
ACTATGGGCCCGCAGGAGCCACCACTATGGTGACACTAGTGCTAACTTTGTTTGGCGCTACAAAACAAATGG
GATTTTACCCTGCTAAATGGAGTGATGTTTGTTCACCAGTGTGCTACTTATCTACGGGATTATTGCAC
TTGTGATTCGATCATACTGGTTGCATCTGGTGTACTCAGCGCTTGAACATTGCTCTTCTCCATACCT
GGTGATGGACGTGCAAATGATGGTGGGGGGCGCTACCATTATGAGATAAACCCCGAAGAGTACATTTTT
GCTGCTCTGAACATCTACGTGGACATCATCAGCCTTTTCATTTTTATTTTGGACCTGATTGGACGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225951 protein sequence
Red=Cloning site Green=Tags(s)

MKIDLEVSEPVNFSSGDHQHLVHTAAIKGNTGRLDQPFTASSGDRVQEAVQYSHPRNRDGYAVQVSE
 DVTPSNETVNQSIPIFFENTSIRNDFIMKVFVLSIQLFITAVIIGIFVFCPEVVRKRWVIKPFWFLYALLPAV
 MILIFVLACCRDIRRQVPANYIILLAFFTILEGLLLGSLVIFYRAEEILWAAGATMTVTLVTLFALQTKW
 DFLLNGVMFVFTSVLLIYGIIALVIRSYWLHLVYSALGTLFFSIYLVMDVQMMVGGRYHYEINPEEYIF
 AALNIYVDIISLFIILDILIGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029141

ORF Size: 909 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.

RefSeq: [NM_029141.4](#), [NP_083417.1](#)

RefSeq Size: 1680 bp

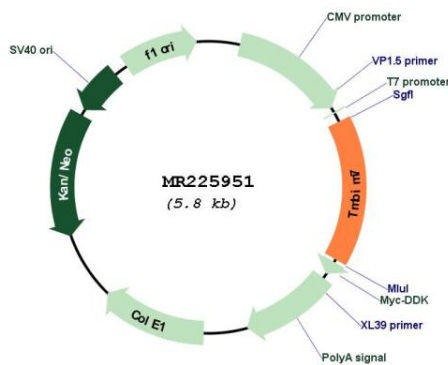
RefSeq ORF: 909 bp

Locus ID: 75010

Cytogenetics: 5 A1

MW: 34.2 kDa

Product images:



Circular map for MR225951