

Product datasheet for **MG201452**

Timm17b (NM_011591) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timm17b (NM_011591) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Timm17b
Synonyms: 17kDa; mTim17b; Sfc3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201452 representing NM_011591
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAGTACGCTCGCGAACCTTGCCCATGGCGAATTGTGGATGATTGCGGTGGAGCTTTCACCATGG
 GTGTCATTGGTGGTGGAGTCTTCCAGGCTATCAAGGGCTTCCGCAATGCCCTGTTGGAATTCGACACCG
 GTTCAGAGGTAGTGTCAATGCTGTGAGGATCCGGGCACCCAGATTGGAGGAAGCTTTCAGTGTGGGA
 GGTCTGTTCTCCACCATCGACTGTGGCCTGGTCCGGCTACGGGGCAAAGAAGACCCCTGGAATTCATCA
 GCAGTGGAGCGTTGACTGGAGCTGTGCTGGCTGCGCGCAGTGGTCCGCTGGCCATGGTGGGCTCTGCGAT
 GATGGGAGGCATCCTGTTGGCCCTCATTGAGGGTGTGGCATCCTTCTCACCCGCTATACTGCCAGCAG
 TTCCGAAATGCACCCCATCTTGGAGGACCCAGCCAGCTAACCCGAAAGAGGGATCTCCGGCCCCAG
 GTTATCCCAACTACCAGCAGTACCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201452 representing NM_011591
 Red=Cloning site Green=Tags(s)

MEEYAREPCPWRIVDCCGAFTMGVIGGGVFQAIKGFNAPVGIHRFRGVSNAVRIRAPQIGGSFAVWG
 GLFSTIDCGLVRLRGKEDPWNISISSGALTGAVLAARSGPLAMVGSAMMGILLALIEGVGILLTRYTAQQ
 FRNAPPFLEDPSQLTPKEGSPAPGYPNYQQYH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

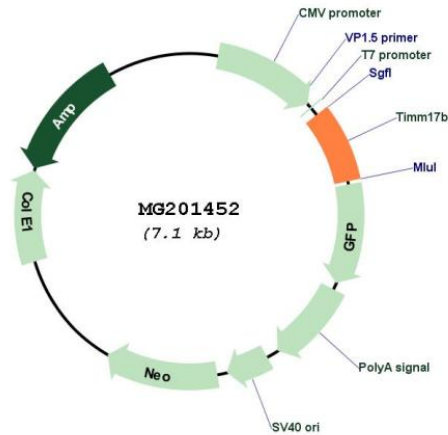


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_011591

ORF Size: 516 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:	<ol style="list-style-type: none">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_011591.5</u>
RefSeq Size:	1642 bp
RefSeq ORF:	519 bp
Locus ID:	21855
UniProt ID:	<u>Q9Z0V7</u>
Cytogenetics:	X 3.56 cM
Gene Summary:	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. [UniProtKB/Swiss-Prot Function]