

Product datasheet for MR201452

Timm17b (NM_011591) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timm17b (NM_011591) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Timm17b
Synonyms: 17kDa; mTim17b; Sfc3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201452 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGAGTACGCTCGCGAACCTTGCCCATGGCGAATTGTGGATGATTGCGGTGGAGCTTTCACCATGG
 GTGTCATTGGTGGTGGAGTCTCCAGGCTATCAAGGGCTCCGCAATGCCCTGTTGGAATTCGACACCG
 GTTCAGAGGTAGTGTCAATGCTGTGAGGATCCGGGCACCCAGATTGGAGGAAGCTTTCAGTGTGGGA
 GGTCGTCTCCACCATCGACTGTGCCTGGTCCGGCTACGGGGCAAAGAAGACCCCTGGAATTCATCA
 GCAGTGGAGCGTTGACTGGAGCTGTGCTGGCTGCGCGCAGTGGTCCGCTGGCCATGGTGGGCTCTGCGAT
 GATGGGAGGCATCCTGTTGGCCCTCATTGAGGGTGTGGCATCCTTCTCACCCGCTATACTGCCAGCAG
 TTCCGAAATGCACCCCATCTTGGAGGACCCAGCCAGCTAACCCGAAAGAGGGATCTCCGGCCCCAG
 GTTATCCCAACTACCAGCAGTACCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201452 protein sequence
 Red=Cloning site Green=Tags(s)

MEEYAREPCPWRIVDDCGGAFTMGVIGGGVFQAIKGFNAPVGIHRFRGVSNAVRIRAPQIGGSFAVWG
 GLFSTIDCGLVRLRGKEDPWNISISSGALTGAVLAARSGPLAMVGSAMMGILLALIEGVGILLTRYTAQQ
 FRNAPPFLEDPSQLTPKEGSPAPGYPNYQQYH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_011591

ORF Size: 519 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_011591.5](#)

RefSeq Size: 1641 bp

RefSeq ORF: 519 bp

Locus ID: 21855

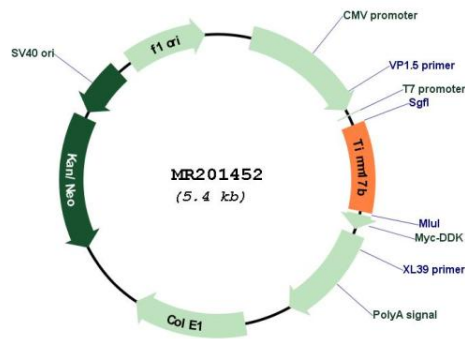
UniProt ID: [Q9Z0V7](#)

Cytogenetics: X 3.56 cM

MW: 18.4 kDa

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]

Product images:



Circular map for MR201452