

## Product datasheet for **RR202954**

### Timm23 (NM\_019352) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Timm23 (NM\_019352) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Timm23  
**Synonyms:** MGC93478  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202954 representing NM\_019352  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGTGGCGGAGGAAGTAGCAACAAATCCACGGCGGGTTAGCGGGCTTCTTCGGAGCGGGAGGAG  
CGGGTACTCGAACGCTGATTTGGCCGGCTCCCGCTGACTGGTATGAACCCCTGTCTCCTTACTTAA  
TGTGGACCCAGCTATCTCGTTCAGGATACAGATGAGTTATTTGCCAACTGGAGCTAATAAAACCGA  
GGCAGGTTTGAAGTAGCTTTCTTACCATTGGAGGATGCTGCATGACAGGGGCTGCATTGGGGCACTGA  
ACGGGCTTCGTTTAGGATTGAAGGAACTCAGAGCATGCCCTGGTCCAAACCAAGAAATGTACAGATTTT  
GAATATGGTGACTAGACAAGGGCACTTTGGGCTAATACTCTAGGTTCCCTGGCTTTGCTCTATAGTGCT  
TTTGGCGTTATCATTGAGAAAACACGGGGTGCAGAAAGACGACTTCAACACAGTAGCAGCTGGAACCATGA  
CAGGAATGTTATATAAATGTACAGGTGGTCTTCGAGGAATAGCACGTGGTGGCCTGGCGGGACTGACACT  
GACCAGTGTCTATGCACTGTATAAACACTGGGAGCACATGAAAGGTTCCCTGCTCCAACAGTCACTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR202954 representing NM\_019352  
Red=Cloning site Green=Tags(s)

MEGGGSSNKSTGGLAGFFGAGGAGYSNADLAGVPLTGMNPLSPYLNVDPRYLVDQDTEFILTPTGANKTR  
GRFELAFFTIGCCMTGAFFGALNGLRLGLKETQSMPSKPRNVQILNMVTRQGALWANTLGLSALLYSA  
FGVIEKTRGAEDDFNTVAAGTMTGMLYKCTGGLRGIARGGLAGLTLTSVYALYNWEHMKGSLLQQSL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

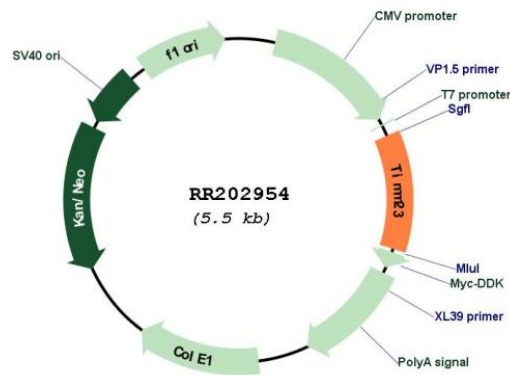


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_019352

ORF Size: 627 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\\_019352.2](#), [NP\\_062225.1](#)

**RefSeq Size:** 1098 bp

**RefSeq ORF:** 630 bp

**Locus ID:** 54312

**UniProt ID:** [O35093](#)

**Cytogenetics:** 16p16

**MW:** 21.9 kDa

**Gene Summary:** mouse homolog is a translocase of the inner mitochondrial membrane; essential for cell viability [RGD, Feb 2006]