

## Product datasheet for **MR218444**

### Tpm1 (NM\_001164252) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tpm1 (NM\_001164252) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tpm1  
**Synonyms:** AA986836; AI854628; alpha-TM; TM2; Tm3; Tmpa; Tpm-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR218444 representing NM\_001164252  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGGTAGCAGCTCGCTGGAGGCGGTGCGGAGAAAGATCCGGAGCCTGCAGGAGCAGGCGGATGCCG  
 CGGAGGAGCGTGCGGGCAGCCTGCAGCGCGAGCTGGACCAGGAGCGGAAGCTGCGGGAAACCGCTGAAGC  
 TGACGTAGCTTCTCTGAACAGACGCATCCAGCTGGTTGAGGAGGAGTTGGATCGTGCTCAGGAGCGTCTG  
 GCCACAGCTCTGCAGAAGCTGGAGGAGGCCGAGAAGGCTGCAGATGAGAGTGAGAGAGGCATGAAAGTCA  
 TTGAAAGCCGAGCCAAAAGATGAAGAAAAGATGGAGATTCAGGAGATCCAGCTGAAAGAGGCCAAGCA  
 CATTGCTGAAGATGCTGACCGGAAGTATGAAGAGGTGGCCGTAAGCTGGTCATCATCGAGAGCGACCTG  
 GAACGTGCAGAGGAGCGGGCTGAGCTCTCAGAAGGCAAATGTGCCGAGCTTGAAGAAGAATTGAAAACGG  
 TGACGAACAACCTTGAAGTCACTGGAGGCTCAGGCTGAGAAGTACTCTCAGAAGGAAGACAAATATGAAGA  
 GGAGATCAAGGTTCTCTCTGACAAGCTGAAGGAGGCTGAAACTCGGGCTGAGTTTGCAGAGAGATCAGTA  
 ACCAAATTGGAGAAAAGCATTGATGACTTAGAAGAGAAAGTGGCCCATGCCAAAGAAGAAAACCTTAGTA  
 TGCACCAGATGCTGGATCAGACTTACTGGAGCTAAACAACATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001164252.1](#), [NP\\_001157724.1](#)

**RefSeq Size:** 1675 bp

**RefSeq ORF:** 747 bp

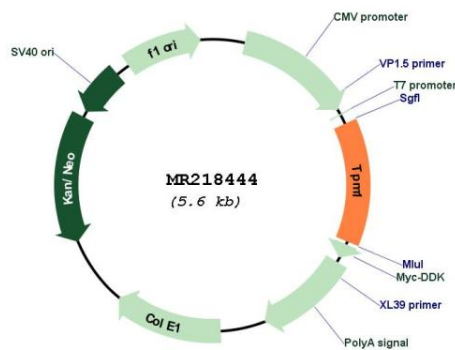
**Locus ID:** 22003

**Cytogenetics:** 9 36.27 cM

**MW:** 29 kDa

**Gene Summary:** Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR218444