

Product datasheet for MR219100

Tpm1 (NM_001164250) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpm1 (NM_001164250) 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:	>MR219100 representing NM_001164250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCCATCAAGAAGAAGATGCAGATGCTGAAGCTCGACAAAGAGAACGCCTTGGATCGAGCTGAGC
AAGCGGAGGCTGATAAGAAGGCGCGGAAGACCGGAGCAAGCAGCTGGAAGATGAGCTGGTGTCACTGCA
AAAGAACTCAAGGCACTGAAGATGAAGTGGACAAATACTCCGAGGCTCTCAAAGATGCCAGGAGAAA
CTGGAGCTGGCGGAGAAAAGGCCACAGATGCTGAAGCTGACGTAGCTTCTCTGAACAGACGCATCCAGC
TGTTGAGGAGGAGTTGGATCGTCTCAGGAGCGTCTGGCCACAGCTCTGCAGAAGCTGGAGGAGCCGA
GAAGGCTGCAGATGAGAGTGAGAGAGGCATGAAAGTCATTGAAAGCCGAGCCAAAAAGATGAAGAAAAG
ATGGAGATTCAGGAGATCCAGCTGAAAGAGGCCAAGCACATTGCTGAAGATGCTGACCGGAAGTATGAAG
AGGTGGCCCGTAAGCTGGTTCATCATCGAGAGCGACCTGGAACGTGCAGAGGAGCGGGCTGAGCTCTCAGA
AGGCCAAGTTCGACAGCTGGAAGAACAGTTAAGAATAATGGATCAGACCTTGAAGCATTAAATGGCTGCA
GAGGATAAGTACTCTCAGAAGGAAGACAAATATGAAGAGGAGATCAAGTTCTCTCTGACAAGCTGAAGG
AGGCTGAAACTCGGGCTGAGTTTGAGAGAGATCAGTAACCAAATGGAGAAAAGCATTGATGACTTAGA
AGAGAAAGTGGCCATGCCAAAGAAGAAAACCTTAGTATGCACCAGATGCTGGATCAGACTTTACTGGAG
CTAAACAACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

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_001164250.1](#), [NP_001157722.1](#)

RefSeq Size: 1702 bp

RefSeq ORF: 855 bp

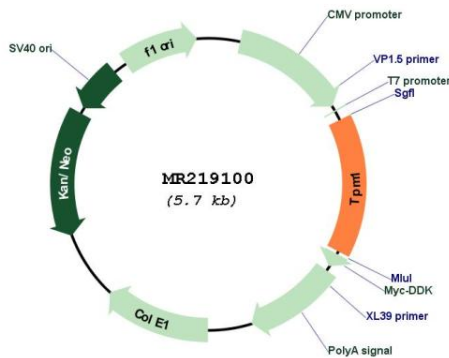
Locus ID: 22003

Cytogenetics: 9 36.27 cM

MW: 33.3 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 MR219100