

Product datasheet for **MR227691**

Tmsb10 (NM_001039392) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmsb10 (NM_001039392) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmsb10
Synonyms: Ptmb10; Tb10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227691 representing NM_001039392
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACAAGCCGGACATGGGGAAATCGCCAGCTTCGATAAGGCCAAGCTGAAGAAAACCGAGACGC
AGGAGAAGAACACCCTGCCGACCAAGAGACCATTGAACAGGAAAAGAGGAGTGAATCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227691 representing NM_001039392
Red=Cloning site Green=Tags(s)

MADKPDMGEIASFDKAKLKKTTETQEKNLPTKETIEQEKRSEIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_001039392

ORF Size: 132 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_001039392.2](#), [NP_001034481.1](#)

RefSeq Size: 626 bp

RefSeq ORF: 135 bp

Locus ID: 19240

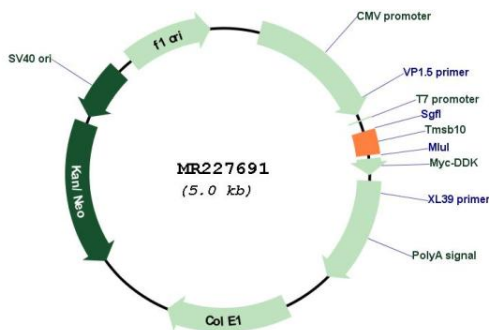
UniProt ID: [Q6ZWY8](#)

Cytogenetics: 6 C1

MW: 5 kDa

Gene Summary: Plays an important role in the organization of the cytoskeleton. Binds to and sequesters actin monomers (G actin) and therefore inhibits actin polymerization (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227691