

Product datasheet for RR210215

Tmsb10 (NM_021261) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmsb10 (NM_021261) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmsb10
Synonyms: Ptmb10; THYb10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR210215 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCAGACAAGCCGGACATGGGGGAAATCGCCAGCTTCGATAAGGCCAAGCTGAAGAAAACCGAGACGC
 AGGAGAAGAACACCCTGCCGACCAAGAGACCATTGAACAGGAAAAGAGGAGTGAATCTCC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210215 protein sequence
 Red=Cloning site Green=Tags(s)

MADKPDMGEIASFDKAKLKKTTETQEKNLPTKETIEQKRSEIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:



ACCN: NM_021261

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](#)

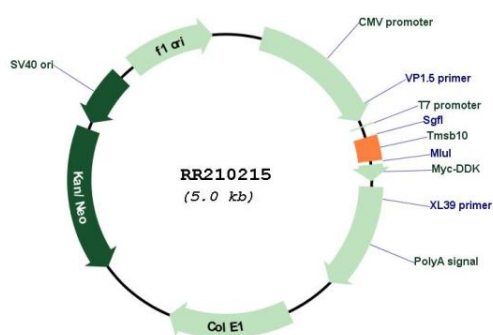
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_021261.2](#), [NP_067084.1](#)

RefSeq Size:	489 bp
RefSeq ORF:	135 bp
Locus ID:	50665
UniProt ID:	P63312
Cytogenetics:	4q31
MW:	5 kDa
Gene Summary:	actin-sequestering protein; binds actin monomers (G actin) and inhibits actin polymerization [RGD, Feb 2006]

Product images:


Circular map for RR210215