

# Product datasheet for MG221735

## Tmsb10 (NM\_025284) Mouse Tagged ORF Clone

## **Product data:**

#### OriGene Technologies, Inc.

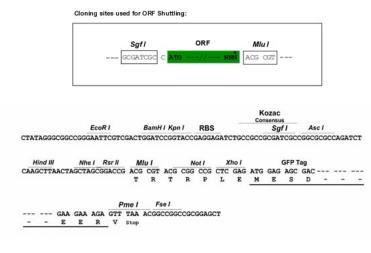
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

| Product Type:                | Expression Plasmids  |
|------------------------------|--|
| Product Name:                | Tmsb10 (NM_025284) Mouse Tagged ORF Clone  |
| Tag:                         | TurboGFP   |
| Symbol:                      | Tmsb10   |
| Synonyms:                    | Ptmb10; Tb10   |
| Mammalian Cell<br>Selection: | Neomycin   |
| Vector:                      | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:           | Ampicillin (100 ug/mL)   |
| ORF Nucleotide<br>Sequence:  | >MG221735 representing NM_025284<br>Red=Cloning site Blue=ORF Green=Tags(s)  |
|                              | TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCC <mark>GCGATCGC</mark> C                                    |
|                              | ATGGCAGACAAGCCGGACATGGGGGAAATCGCCAGCTTCGATAAGGCCAAGCTGAAGAAAACCGAGACGC<br>AGGAGAAGAACACCCTGCCGACCAAAGAGACCATTGAACAGGAAAAGAGGAGTGAAATCTCC |
|                              | ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA   |
| Protein Sequence:            | >MG221735 representing NM_025284<br><mark>Red</mark> =Cloning site Green=Tags(s)   |
|                              | MADKPDMGEIASFDKAKLKKTETQEKNTLPTKETIEQEKRSEIS   |
|                              | TRTRPLE - GFP Tag - V  |
| Restriction Sites:           | Sgfl-Mlul  |

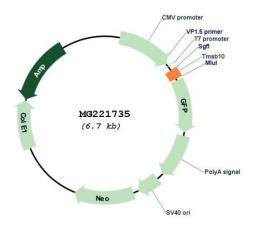


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

### **Cloning Scheme:**



Plasmid Map:



ACCN: ORF Size: NM\_025284 132 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

|                       | 10 (NM_025284) Mouse Tagged ORF Clone – MG221735   |
|-----------------------|--|
| 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. <u>More info</u>                                  |
| 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 | <ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| RefSeq:               | <u>NM 025284.4, NP 079560.1</u>  |
| RefSeq Size:          | 565 bp   |
| RefSeq ORF:           | 135 bp   |
| Locus ID:             | 19240  |
| UniProt ID:           | <u>Q6ZWY8</u>  |
| Cytogenetics:         | 6 C1   |
| Gene Summary:         | Plays an important role in the organization of the cytoskeleton. Binds to and sequesters actin<br>monomers (G actin) and therefore inhibits actin polymerization (By similarity).<br>[UniProtKB/Swiss-Prot Function]   |

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US