

Product datasheet for MR200012

Tmsb4x (NM_021278) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tmsb4x (NM_021278) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Tmsb4x

Synonyms: Ptmb4; Tb4

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR200012 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCTGACAAACCCGATATGGCTGAGATCGAGAAATTCGATAAGTCGAAGTTGAAGAAAACAGAAACGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200012 protein sequence

Red=Cloning site Green=Tags(s)

MSDKPDMAEIEKFDKSKLKKTETQEKNPLPSKETIEQEKQAGES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

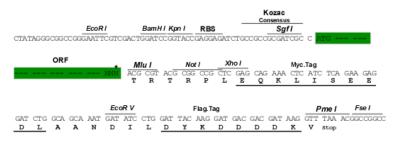
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_021278

ORF Size: 135 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: <u>NM 021278.2</u>, <u>NP 067253.1</u>



 RefSeq Size:
 670 bp

 RefSeq ORF:
 135 bp

 Locus ID:
 19241

 UniProt ID:
 P20065

 Cytogenetics:
 X 78.28 cM

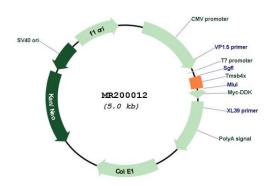
 MW:
 5.1 kDa

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.[UniProtKB/Swiss-Prot

Function]

Product images:



Circular map for MR200012