

Product datasheet for RG205097

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

Thymosin beta 10 (TMSB10) (NM_021103) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Thymosin beta 10 (TMSB10) (NM_021103) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: Thymosin beta 10

Synonyms: MIG12; TB10

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG205097 representing NM_021103

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCAGACAAACCAGACATGGGGGAAATCGCCAGCTTCGATAAGGCCAAGCTGAAGAAAACGGAGACGC

AGGAGAAGAACACCCTGCCGACCAAAGAGACCATTGAGCAGGAGAAGCGGAGTGAAATTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205097 representing NM_021103

Red=Cloning site Green=Tags(s)

MADKPDMGEIASFDKAKLKKTETQEKNTLPTKETIEQEKRSEIS

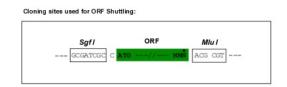
TRTRPLE - GFP Tag - V

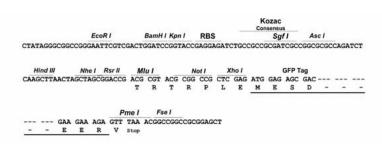
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_021103

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: <u>NM 021103.4</u>

 RefSeq Size:
 482 bp

 RefSeq ORF:
 135 bp

 Locus ID:
 9168

 UniProt ID:
 P63313

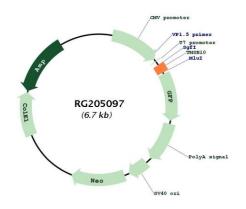
 Cytogenetics:
 2p11.2

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 RG205097