

Product datasheet for MG200568

Fam103a1 (NM 025997) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fam103a1 (NM_025997) Mouse Tagged ORF Clone

Tag: TurboGFP Symbol: Fam103a1

Synonyms: 2410047I02Rik; 2610204K14Rik; RAM

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

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

ORF Nucleotide >MG200568 representing NM_025997

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGTGATACTTCTGAAGAAATTCCAAATTTTGAAGAGATGTTTGCAAGCAGATTCACGAAAGATGACA AAGAATACCAGGAATACTTGAAACGCCCTCCTGAGTCCCCTCCAATTGTTGAGGAATGGAATAGCAGAGC TGGTGGTAACCAAAGAAATAGAGGCAACTGGCTGCAAGACAACAGACAATTTAGAGGTAGGGATAACAGA CGAGGATGGCCAAGTGACAATCAGTCCAACTAGGCATGGACGGTCATGGGGTAACAACAACTACCCAC AGCAGAGACCAGAGCCCTACTATCAACAACAACAACCACCAGTATGGCCACAACCAGCGGCCTCCATATGG

TTACTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200568 representing NM_025997

Red=Cloning site Green=Tags(s)

MSDTSEEIPNFEEMFASRFTKDDKEYQEYLKRPPESPPIVEEWNSRAGGNQRNRGNWLQDNRQFRGRDNR

RGWPSDNRSNQWHGRSWGNNNYPQQRPEPYYQQQYTQYGHNQRPPYGYY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



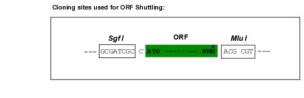
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

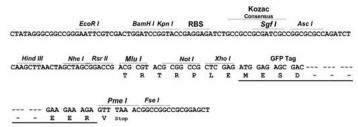
CN: techsupport@origene.cn

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

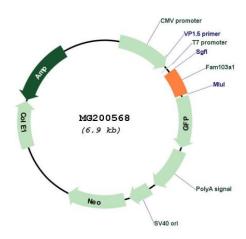


Cloning Scheme:





Plasmid Map:



ACCN: NM_025997

ORF Size: 357 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

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



Fam103a1 (NM_025997) Mouse Tagged ORF Clone - MG200568

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 025997.2</u>, <u>NP 080273.1</u>

RefSeq Size: 1423 bp
RefSeq ORF: 360 bp
Locus ID: 67148
UniProt ID: Q9CQY2
Cytogenetics: 7 D3

Gene Summary: Regulatory subunit of the mRNA-capping methyltransferase RNMT:RAMAC complex that

methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs.

Promotes the recruitment of the methyl donor, S-adenosyl-L-methionine, to RNMT. Regulates

RNMT expression by a post-transcriptional stabilizing mechanism. Binds RNA.

[UniProtKB/Swiss-Prot Function]