

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200568 representing NM_025997
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGATACTTCTGAAGAAATCCAAATTTGAAGAGATGTTTGCAAGCAGATTCACGAAAGATGACA
AAGAATACCAGGAATACTTGAACGCCCTCCTGAGTCCCCTCCAATTGTTGAGGAATGGAATAGCAGAGC
TGGTGGTAACCAAAGAAATAGAGGCAACTGGCTGCAAGACAACAGACAATTTAGAGGTAGGGATAACAGA
CGAGGATGGCCAAGTACAATCGGTCAAATCAGTGGCATGGACGGTCATGGGGTAAACAACACTACCCAC
AGCAGAGACCAGAGCCCTACTATCAACAACAGTACACACAGTATGGCCACAACCAGCGGCCCTCCATATGG
TACTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200568 representing NM_025997
Red=Cloning site Green=Tags(s)
MSDTSEEIPNFEEMFASRFTKDDKEYQEYLKRPPESPPIVEEWSNRAGGNQRNRGNWLQDNRQFRGRDNR
RGWPSDNRSNQWHGRSWGNNNYPQQRPEPYYQQYTQYGHNRPPYGY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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 style="list-style-type: none">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_025997.2 , NP_080273.1
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]