

Product datasheet for **MG202055**

Fam213b (NM_025582) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam213b (NM_025582) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fam213b
Synonyms: 2810405K02Rik; AI836168; PM/PGFS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202055 representing NM_025582
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGTGGTGGACCTTGGTCGCGTAGGAGCGTGTGTCTTGAACATGCAGTGACTGGGGAGGCTGTGG
AGCTGCGGAGCCTATGGCAGGAGAAAGCTTGTGTGGTGGCCGGTCTGCGACGCTTCGGCTGCATGGTGTG
CCGCTGGATCGCCAGGACCTCAGCAACCTCCGGAGCATCCTGGACCAACACGATGTGCGCCTGGTGGC
GTGGGCTGAGGCCCTGGCCTGCAGGAGTTTCTGGATGGTGGTACTTCTCAGGAGAAGCTCTACCTG
ATGAGAGCAAGCAAATCTATAAGGAGCTGGGCTTCAAGCGGTACAACAGCTTAAGCATCCTACCAGCTGC
CCTGGGAAAACCTGTTCTGTGATGTAGCCTCCAAGGCTAAAGCTGTTGGTATCCAGGGAACTGTCTGGT
GACCTGCTGCAAAGTGGAGGGCTGCTGGTGGTCAAGGGTGGCGACAAGGTAAGTGTGCACTTCATCC
AGAAGTCCCCGGGTGACTATGTTCCCCAGGAGAACATCCTGCAGGCCCTGGGTATCTCTGCAGAGTTTTC
CTCCAGCAAGCCACCCAGTGTGATGAAGAGGTGTGTGGGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202055 representing NM_025582
Red=Cloning site Green=Tags(s)

MNVVDLGRV GACVLKHAVTGEAVELRSLWQEKACVVAGLRRFGCMVCRWIAQDLSNLRSLDQHDVRLVG
VGPEALGLQEFLDGGYFSGELYLDESKQIYKELGFKRYNSLSILPAALGKPV RDVASKAKAVGIQGNLSG
DLLQSGLLVSVKGGDKVLLHF IQKSPGDYVPQENILQALGISAEVCSKPPQCDEEVCGR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

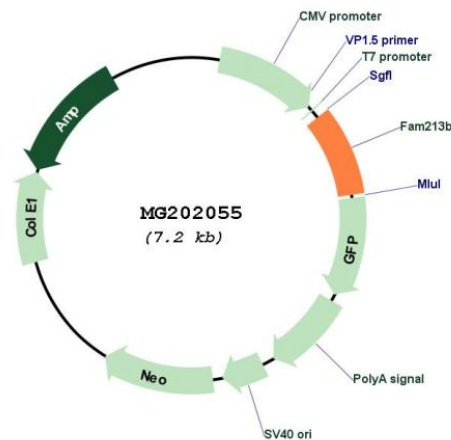


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_025582

ORF Size: 603 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: [NM_025582.3](#)

RefSeq Size: 786 bp

RefSeq ORF: 606 bp

Locus ID: 66469

UniProt ID: [Q9DB60](#)

Cytogenetics: 4 E2

Gene Summary: Catalyzes the reduction of prostaglandin-ethanolamide H(2) (prostamide H(2)) to prostamide F(2alpha) with NADPH as proton donor. Also able to reduce prostaglandin H(2) to prostaglandin F(2alpha).[UniProtKB/Swiss-Prot Function]