

Product datasheet for **MG214874**

Fam133b (NM_001042501) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Fam133b
Synonyms: 2900022K02Rik; 5830415L20Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214874 representing NM_001042501
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAAACGGGATAATCGCGTGGCCTACATGAATCCAATAGCAATGGCTCGATCAAGGGGTCCAATCC
 AGTCTTCAGGACCAACAATCCAGGATTATCTGAATCGACCAAGGCCTACCTGGGAGGAAGTCAAGGAACA
 GCTGGAAAAGAAAAGAAGGGCTCCAAGGCTTTGGCTGAGTTTGAAGAAAAATGAATGAGAATTGGAAG
 AAAGAACTAGAAAACATAGAGAAAAATTATTAAGTGGAAATGAGAGCTCATCAAAAAAGACAGAAAA
 AGAAAAAGAAAAGAAATCTGGTAGGTATTCATCTTCTTCATCGAGCTCTGATTCTTCCAGCAG
 TTCTTCAGATTCCGAAGATGAGGATAAAAAACAACAAAAAGAAAGAAAGAAAAGAGCCGTTGCCAT
 AAGTCTCTGAGAGCTCGGGTCGGATTCGGCTTCAGACAGCAAGGATGGTTCAAAAAAGAAAAGAAAGT
 CCAAGGATGTAAGTAAAAGAGAAAAGGACACTAAAGGTCTCAGCAAAAAAGAAAAGATGTACGAAGATA
 ACCGTTGTCATCTGAGTCGCTGTGAGAGTCAAGTGTGGAGAGGTGCAAGCAAAAAGGAAAGAAAAGCGGT
 GAAGAGCGTGAGAGAACAACAGACAAAAGCCAAAAGAGAAGGAAGCATAAGAAGCACAGCAAGAAGAAGA
 AAAAGAAGGCCGCCAGCTCCAGCTCAGACTCGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214874 representing NM_001042501
 Red=Cloning site Green=Tags(s)

MGKRDNRVAYMNP IAMARSRGPIQSSGPTIQDYLNRPRTWEEVKEQLEKKKKGSKALAEFEKMNENWK
 KELEKHREKLLSGNESSKKRQKKKKEKKKSGRYSSSSSSSSSSSSSSSEDEDKKQTKRRKKKSRCH
 KSPESSGSDSASDSDKGSKKKKSKDVTEREKDTKGLSKRRKMYEDKPLSSESLSESDCGEVQAKRKKSG
 EERERTTDKAKRRRKHKKHKKKKKAASSSDSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042501

ORF Size: 735 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001042501.1](#), [NP_001035966.1](#)

RefSeq Size: 2304 bp

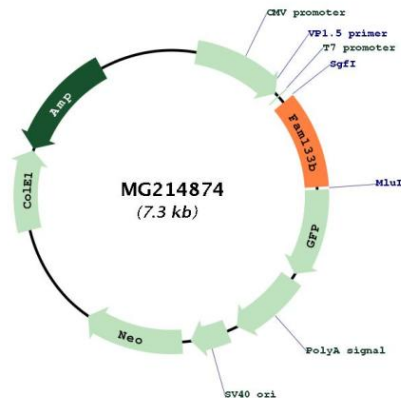
RefSeq ORF: 738 bp

Locus ID: 68152

UniProt ID: [Q9CVI2](#)

Cytogenetics: 5

Product images:



Circular map for MG214874