

Product datasheet for **MR214874**

Fam133b (NM_001042501) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam133b (NM_001042501) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fam133b
Synonyms: 2900022K02Rik; 5830415L20Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214874 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAAACGGGATAATCGCGTGGCCTACATGAATCCAATAGCAATGGCTCGATCAAGGGGTCCAATCC
AGTCTTCAGGACCAACAATCCAGGATTATCTGAATCGACCAAGGCCTACCTGGGAGGAAGTCAAGGAACA
GCTGGAAAAGAAAAGAAGGGCTCCAAGCTTTGGCTGAGTTTGAAGAAAAATGAATGAGAATTGGAAG
AAAGAACTAGAAAACATAGAGAAAAATTATTAAGTGAAATGAGAGCTCATCAAAAAAGACAGAAAA
AGAAAAAGAAAAGAAGAAATCTGGTAGGTATTATCTTCTTTCATCGAGCTCTGATTCTCCAGCAG
TTCTTCAGATTCCGAAGATGAGGATAAAAAACAACAAAAAGAAGGAAGAAAAAGAGCCGTTGCCAT
AAGTCTCCTGAGAGCTCGGGTTCGGATTTCGGCTTCAGACAGCAAGGATGGTTCAAAAAAGAAAAGAGT
CCAAGGATGTAAGTAAAAGAGAAAAGGACACTAAAGGTCTCAGCAAAAAGAGAAAGATGTACGAAGATA
ACCGTTGTCTGAGTCGCTGTGAGAGTCTGAGAGTGTGGAGAGGTGCAAGCAAAAAGGAAGAAAAGCGGT
GAAGAGCGTGAGAGAACAACAGACAAAGCCAAAAAGAGAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA
AAAAGAAGGCCCGCCAGCTCCAGCTCAGACTCGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214874 protein sequence
Red=Cloning site Green=Tags(s)

MGKRDNRVAYMNP IAMARSRGPIQSSGPTIQDYLNRPRTWEEVKEQLEKKKKGSKALAEFEKMENWK
 KELEKHREKLLSGNESSKKRQKKKKKKKSGRYSSSSSSSDSSSSSSSEDEDKKQTKRRKKKSRCH
 KSPSSGSDSASDSKDGSKKKKKSKDVTEREKDTKGLSKKRKMYEDKPLSSESLSESDCQGEVQAKRKKSG
 EERERTTDKAKRRRKHKKHKKKKKKAASSSDSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001042501

ORF Size: 738 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_001042501.1](#), [NP_001035966.1](#)

RefSeq Size: 2304 bp

RefSeq ORF: 738 bp

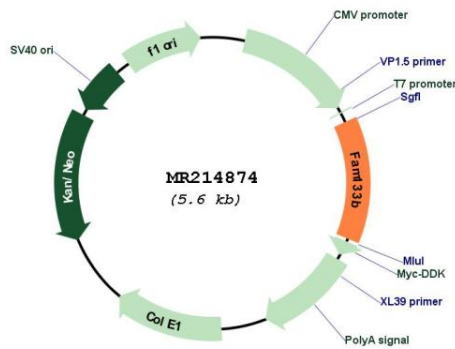
Locus ID: 68152

UniProt ID: [Q9CVI2](#)

Cytogenetics: 5

MW: 28 kDa

Product images:



Circular map for MR214874