

## Product datasheet for MR205533

### Fam131a (NM\_133778) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam131a (NM_133778) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam131a
Synonyms:	2900046G09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205533 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTATGATTCTGTGCTGGGCAAAATGTTTCTGTGGCAGCGCGAAGGGCCTGGAGGACGATGGACTT  
GTCAGACAAGTCGCAGAGTGGCTTCGGACCCTGCCTGGGCTGTGGAGTGGATCGAACTCCCTCGAGGTCT  
CTCTGTCTCCCTGGGATCTGCTCGAACTCTCCGAGGCTGGAGTCGGTCCCCCGTCTTCTTCCGTG  
GACAGCCAGGACTTGCCAGAGGTGAATGTTGGAGACACAGTCGGATGCTGCCAAGTCCCGGAGAGCTC  
TAACCATCCAGGAGATCGCTGCACTGGCCAGATCGTCCCTGCATGGTATTTCCAGGTAGTGAAGGACCA  
CGTGACCAAGCCACAGCCATGGCCAGGGCCGTGGCTCACCTTATTGAATGGAAGGGCTGGAGCAAG  
CCTAGTGACTCACCGGTGCTCTGGAATCAGCCTTTTCTCCTATTACAGACCTCAGTGAGGGTGAACAAG  
AGGCTCGCTTTCAGCAGGAGTGGCCGAGCAGTTTGTATTGCAGAAGCCAAGCTCCGGGATGGTCTTC  
AGTGGATGGTGATGACTCCACCGATGATTCTTACGACGAGGACTTTACTGGGGGAATTGACACAGACATG  
GCTGGGCTCTGGGGTCCACCTCCAGGACCTTTCACAGGTCGTCGATTCTCCAGGCTGTGCCCAGG  
GCTCTGTGGAGCCAGAGAGCGACTGTTACAGACCGTGTCCCAGATACCTGTGCTCTAGTCTGTGCAG  
CCTGGAGGATGGGTTACTGGGCTCCCCAGCCAGGATGACCTCCCAGCTGTTGGGTGAAGAGCTGCCTCT  
GCCAGGTCGCCCCAGCCGGAAAGTGCCTTCCGAGCCTGGGTCCTTTGGAGCCAGGACTCCCTTT  
ACAACTACCGCTCTCAGAATCCTGCCTTTCCCTGCCGAGGAGGAGCCTGATTCCTGTAAGGACTGCCA  
GCTGCTCTGCCCGCTGCCACAGGCAGCTGGGAAAGACAGCAGCAAGTCTCTGATGTGCCCTCTTCTGG  
GTGGTATCCTTAGATGAGGATGAGGTGGACCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR205533 protein sequence  
 Red=Cloning site Green=Tags(s)

MPMISVLGKMFLWQREGPGGRWTCQTSRRVASDPAWAVEWIELPRGLSLSLGSARTLRGWSRSPRPSSV  
 DSQDLPEVNVGDTVAMLPKSRRALTIQEIAALARSSLHGISQVVKDHVTKPTAMAQGRVAHLIEWKGWSK  
 PSDSPAALSAFSSSYSDLSEGEQEARFAAGVAEQFAIAEAKLRAWSSVDGDDSTDDSYDEDFTEGGIDTDM  
 AGPLGSHLQDLFTGRRFSRPVVRQGSVEPESDCSQTVPDTLCSLCSLEDGLLGSFARMTSOLLGEELL  
 ARLPPRESAFRSLGPLEAQDSL YNSPLSECLSPAEEEPDCKDCQLL CPLPTGWSERQQVSDVASSG  
 VVSLDEDEVQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133778

**ORF Size:** 1086 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\\_133778.2](#), [NP\\_598539.1](#)

**RefSeq Size:** 2271 bp

**RefSeq ORF:** 1086 bp

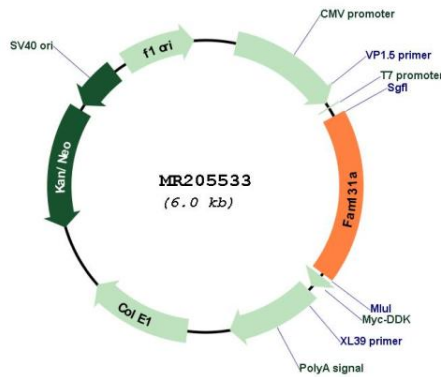
**Locus ID:** 78408

**UniProt ID:** [Q8BWU3](#)

**Cytogenetics:** 16 B1

**MW:** 39 kDa

**Product images:**



Circular map for MR205533