

## Product datasheet for **MR202374**

### Fam167a (NM\_177628) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam167a (NM_177628) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam167a
Synonyms:	A030013D21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202374 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGTGCCCCAGATCCAAGTGAAGAAGTGAGTGAGAAAGACAGGCCAGCCGGGGCAGCCGTACCTC  
CTGATGACCACCTCCTCAGTCTGAAGGCCCTCACTGAGAAGCTGAGGCTGGAGACCCGAAGACCTTCCTA  
CCTGGAATGGCAGGCCAGGCTGGAAGAGCAGACATGGCCTTTCCAAGGCCAGCTGCCAGCAAGAGGCG  
AGTCTGGAGCAGGAGCATGTGGGGTGGAGAGCCTTTGATGCCTCTAAAGGAGCCCGAGACCTTCTCC  
CACCTTCCGCGAGTGCCGGCAGGGGTGACAGGCCACTGACCACGGCAAGCTGGAAGGCTTCCAGAGTAT  
CGATGAAGCTATAGCCTGGCTCAGAAAGGAAGTGGCAGAGATGCGGCTCCAGGACCAGCAGCTGGCCAGG  
CAGCTCATGCGCCTCCGAGGAGACATCAACAAGTTGAAGATCGAGCAGACCTGCCGCTGCACCGGAGGA  
TGCTCAACGATGCCGCTTTGAGCTGGAGGAGCGGGATGAGCTGTCCGACCTCTTTGTGACTCCCCGCT  
GGCATCTCTTTGAGCCTTTCCATGCCACTCAAGCTCATTGGCGTCACCAAAATGAACATCAACTCCAGA  
AGGTTCTCTCTGTC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202374 protein sequence  
Red=Cloning site Green=Tags(s)

MSVPQIQVEEVSEKDRPAGAAVPPDDHLLSLKALTEKLRLETRRPSYLEWQARLEEQTWPFPRPAAQEEA  
 SLEQGACGGGEPLMPLKEPRDLLPPSASAGRDRPLTTGKLEGFQSIDEAIAWLRKELAEMLRQDQQLAR  
 QLMRLRGDINKLIEQTCRLHRRMLNDAAFELEERDELSDLFCDSPASSFSLSMPLKLIQVTKMINSR  
 RFSLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_177628

**ORF Size:** 648 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\\_177628.4](#), [NP\\_808296.2](#)

**RefSeq Size:** 4252 bp

**RefSeq ORF:** 648 bp

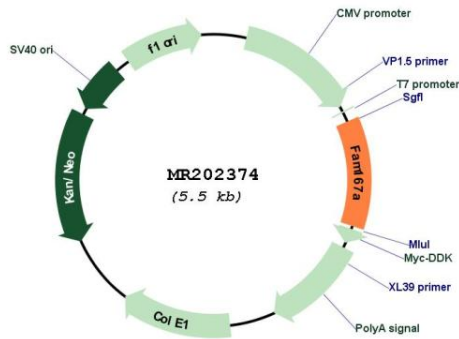
**Locus ID:** 219148

**UniProt ID:** [Q6P1G6](#)

**Cytogenetics:** 14 D1

**MW:** 24.3 kDa

**Product images:**



Circular map for MR202374