

## Product datasheet for MR214750

### Fam166b (NM\_177377) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam166b (NM_177377) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam166b
Synonyms:	4833436C18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214750 representing NM_177377 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTGGTCAACACTTCCATCCCAGGGCTCAGCGGCGAGAATCCGCATTATATCCAGGGTACACCG  
GACTGCCCCGCTACTTCGGTTCAGCATGGCCAGACCTATGGCAGGTGACTGGTCAGCTACTCCGAGG  
CCCTCCTGGTCTAGCCTGGCCTCTGCCACCGCACACTTCTGCCTCCATCCAGTCTCCAAGATCTCT  
GTGATCTCAAGGGGAGGCTGCCTCCAGGCGGGCATGAAAGGCTCAGCTCCAGCATAATCCCTGGGT  
ATACAGGTTTTATACCACGGGCACAGTTCATTTTTGCCAAGAAGTCAACCAGGTTTGGGCTGAAGCTAT  
GAGTGAATTTACACGAAGGCACGGGGAGCAAGAGAGCCATCAACTGCCAGACGGAGCAAGGAGAGAGA  
GAAGTGAAGAAGACCAGCTGCGGGAGGCAAGAGGCCACCGCTGAAGCAGGAGTTGGCAGATGCTCCC  
CCTACTCCATGGATGATACAGATCCCCACAAGTCTTTCATGTCAGGTGAGAGGAAGTGGGTGCAACCAA  
AGGCGAGGGGAGACCGCAGGACGTCTTGACTCAGCATCTCCCCACCCAGGTTTACGGGCTATGTGC  
CCCGTGCCCGTCTCTTTGGTCCAGCTTCCCTGTGCTACCAACCAGGATTGCAGGAATTTGGGCA  
GATGTGCTCAGGGGCCGGGCGACAAGGACCCAAACCTCTCTCCCACTTCCAGGCCACGTTTCAG  
AATCTGGGTCTCCTACCTCACTACGAGGCTACGTGCCAGGTTAGAAGAGCCGTGAGGGGCTCCGGGAA  
CTGGGTGTGTGTCGGGTGGGGGTGCTTTGGCAACGGGAATTAACAGACAGGAGAGATGTCAGCC  
TGGGATTTAGCTTTAGAGAGGAAACTCTGAGGCAGTTCAGTGGGAGTTGGGAGCAGATTTAAAGGGCA  
GTTTGGAGGGTCGACGCAACTGGCTTTTTCATGCCTCTGGCTATATACATGTCAGACTCTTGCCACGCA  
GGATATAAGTTCCAGTTTGGCGGTACATTTGGGCATCTTACCCATGATGCTCTGGCCTCAGCATTACT  
AGAAACAGCTCCCGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214750 representing NM\_177377  
Red=Cloning site Green=Tags(s)

MAVVNTSIPGLSGENPHYIPGYTGHCPLLRF SMGQTYGQVTGQLLRGPPGLAWPPAHRLLPPIQSPRSP  
 VISKGRLPPRRGHERLSSSIIPGYTGFIPRAQFIFAKNCNQVWAEAMSEFTRRHGEQESHQLPDGAKGER  
 EVEEDQLREAEPPPLKQELAHASPYSMDDTDPHKFFMSGERKWVATKGEGRPDVLTQHLPHQVSRAMC  
 PVPASSLAPASLCLPTRHCRNLGRCAHGAGRTRTPNLSPHFPGPRFRIWVSYLTTEATCQVRRAREGLRE  
 LRCVCGWGLWQRELTDTERCPTLGF SFREETLRQFSGELGADFKGQFGGSTQLAFSCLWLYTCQTLGHA  
 GYKFQFGGTFGHLTHDALGLSITQKQLPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9071\\_b12.zip](https://cdn.origene.com/chromatograms/mm9071_b12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_177377

**ORF Size:** 1137 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\_177377.5, NP\_796351.2

**RefSeq Size:** 1348 bp

**RefSeq ORF:** 1140 bp

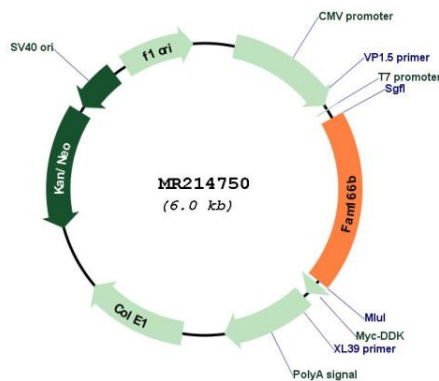
**Locus ID:** 329831

**UniProt ID:** A2AIP0

**Cytogenetics:** 4 A5

**MW:** 42.2 kDa

**Product images:**



Circular map for MR214750