

## Product datasheet for **MR217734**

### **Fmr1nb (NM\_174993) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fmr1nb (NM\_174993) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fmr1nb  
**Synonyms:** 3830422N12Rik; NY-SAR-35; NYSAR35  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217734 representing NM\_174993  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTTCGGATCGAAGGCCAAGTCAGAGAAGGAATAGATCTAAGAGCCGTGATTATCGTGGTGCACGGT  
CAAAGGTAACAAGAGCTGATACGAGGAACAGAGACGATACTCTTGCCCTCAGTATGTATCAGGGCCTCC  
GAGTGCCGACCAGGGGAACAACATGGCGGATGCCCTCGGTTGGCTTCTGGACTCAGTAAGCCAGTGT  
CTGCAATACTTGTGGCCAGGAGGCACTTGGCCCTGCTTCTACTTTTATTCTGGACGCTGGTGATCTGT  
TCCGTCCTGTGAACACTGCGAAATTGCCATTCTTGTGAAGCTGCAGAACTGAACCCCTTTGGGAAA  
TATGTTGGACTTTTTCTTCCAACAACCTGCATCATAAGGGACAACCAGGTGGTGGTGGCATGTAATAAC  
CAGCCGTATCTTAGCGAGAGTGAATGTTTAAAAATCCAAGTGTCTTCAACATCTGGGACTATAATCA  
AATGCTATGCCCCAGTAAGGGACAAGCCTACACAGGTGCTACGGGTGTTTGGCCTTGCTGCGATCAGCAT  
TCTAGTCTGGGATTTCTGCCTATGTGCTGCTGCCATGTGCTGGAGGAGGAAGAGGATGAACAGGATG  
TTGAAGGTTTTGAAGAAACAGAAATCAAAGGGGAAGAAGCCTAAAGGAAGGAAGGCGTCAGAAGAGAGAG  
CTTTACTGTCCCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217734 representing NM\_174993  
 Red=Cloning site Green=Tags(s)

MPSDRRPSQRRNRSKSRDYRGARSKVTRADTRNRDDTLALSMYQGPPSADQGNMADAPRFGWTSVVSQC  
 LQYLWARRHLGLLLLLFWTLVILFRPVNTAKLPILAEAAEPLGNMLDFFPTTCIIRDNQVVACNN  
 QPYLSESECLKSKCCSSTSGTIIKCYAPVRDKPTQVLRVFGLAASILVLGFLPMCCSCMCWRRKRMRM  
 LKVLKKQKSKGKKPKGRKASEERALLSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9028\\_g04.zip](https://cdn.origene.com/chromatograms/mm9028_g04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_174993

**ORF Size:** 714 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\\_174993.2](#), [NP\\_778158.2](#)

**RefSeq Size:** 958 bp

**RefSeq ORF:** 717 bp

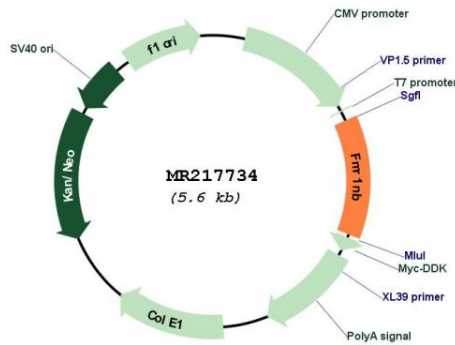
**Locus ID:** 207854

**UniProt ID:** [Q80ZA7](#)

**Cytogenetics:** X A7.1

**MW:** 27.5 kDa

**Product images:**



Circular map for MR217734