

## Product datasheet for **MC225939**

### Fam173a (NM\_001285984) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam173a (NM\_001285984) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fam173a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225939 representing NM\_001285984  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGATCTAGGCTCTGGTGATGGCAGGATCGTGCTGGCGGCCACCAATGTGGTCTCCGTCCAGCTA  
TGGGATATGAGCTGAACCCGTGGCTTGTGGGACTTGCACGGCTGCATGCCTGGAGAGCCGGTTGTTCTGC  
GAGTGTCTGCTACCATCGAAAAGATCTCTGGAAGGTGAGCCTCAGGGACTGTCAACAGTGTCTGTGTTT  
CTGGCTCCAGTGTCTCCAAGTCTGGAGGACAACTGCAAGCAGAGCTCCCTGTGGGGCCCGTGTGG  
TATCTGGACGATCCCCCTTCCACCTGGCAGCCTGTAGCTGTGGTGGGCGAGGGCACTGACAGAGTTTG  
GGCCTATGATGTCCATGGTTCTGGGCAACTGTGTCTTCTGTGGGGTGCCCATCAAGGCCATCCAGAG  
TCCAGTCTACCTTAGTCCCTAGAGCCCTGTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285984  
**Insert Size:** 456 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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**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\\_001285984.1](#), [NP\\_001272913.1](#)

**RefSeq Size:** 633 bp

**RefSeq ORF:** 456 bp

**Locus ID:** 214917

**Cytogenetics:** 17 A3.3

**Gene Summary:** S-adenosyl-L-methionin-dependent protein-lysine N-methyltransferase.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same isoform (2).