

## Product datasheet for **MR228149**

### Fam173a (NM\_001285982) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam173a (NM\_001285982) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fam173a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228149 representing NM\_001285982  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGGATCTAGGCTCTGGTGATGGCAGGATCGTGCTGGCGGCCACCAATGTGGTCTCCGTCCAGCTA  
TGGGATATGAGCTGAACCCGTGGCTTGTGGGACTTGCACGGCTGCATGCCTGGAGAGCCGGTTGTTCTGC  
GAGTGTCTGCTACCATCGAAAAGATCTCTGGAAGGTGAGCCTCAGGGACTGTCAACAGTGTCTGTGTTT  
CTGGCTCCCAAGTGTCTCAACTGCTGGAGGACAACTGCAAGCAGAGCTCCCTGTGGGGGCCCGTGTGG  
TATCTGGACGATTCCCCCTTCCACCTGGCAGCCTGTAGCTGTGGTGGGCGAGGGCACTGACAGAGTTTG  
GGCCTATGATGTCCATGGTTCTGGGCCAACTGTGTCTTCTGTGGGTGCCCATCAAGGCCATCCCAGAG  
TCCAGTTCTACCTTAGTCCCTAGAGCCCTGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228149 representing NM\_001285982  
Red=Cloning site Green=Tags(s)

MYDLGSGDGRIVLAAHQCLRPAMGYELNPWLVLARLHAWRAGCSASVCYHRKDLWKVSLRDCHNVSVF  
LAPSVLQLLEDKLAELPVGARVVSGRFLPTWQPVAVVGEGETDRVWAYDVHSGSPTVSSCGVPIKAIPV  
SSSTLVPRAPV

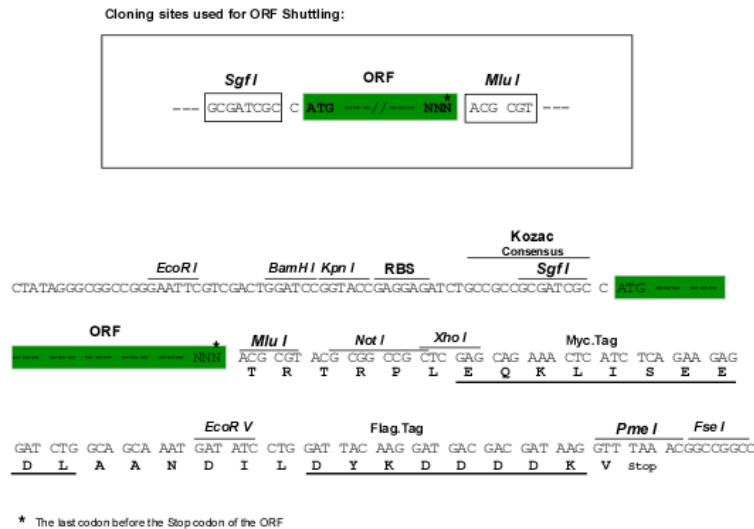
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_001285982

ORF Size: 453 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

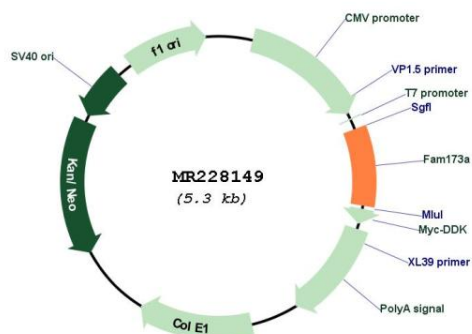
RefSeq: [NM\\_001285982.1](#), [NP\\_001272911.1](#)

RefSeq Size: 633 bp

RefSeq ORF: 456 bp

|               |                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------|
| Locus ID:     | 214917                                                                                              |
| Cytogenetics: | 17 A3.3                                                                                             |
| MW:           | 16.7 kDa                                                                                            |
| Gene Summary: | S-adenosyl-L-methionin-dependent protein-lysine N-methyltransferase.[UniProtKB/Swiss-Prot Function] |

## Product images:



Circular map for MR228149