

## Product datasheet for **MR223409**

### Fam234a (NM\_207217) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam234a (NM_207217) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam234a
Synonyms:	Itfg3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR223409 representing NM\_207217  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGACAACAAGGACTTAGAAGCTGAAATACACCCCTGAAGAATGAGGACAAGAAATCACAGGAAA  
 ACCCAGGAAACCTACCAAGAAACGAAGATAACTTGAAGAGCAAGCCTGTGCCTTCCCGCTTGTCCCGGTG  
 CCGCACAGTGGCATTTCCTTTCCCTGTTACCTGCCTCTTCGTGGTGTGGTCTGTCTTTCATCATC  
 CCATGTCCAGACCGTCCCTCCTCACAGGCACGTGGAAGCTTGACTACAACAATGCAGTCATGTACGACT  
 TCCTGGCTCTGGGAGACATAAACAGGACAAGGTTCAGGACGTTCTTTTCTTTACAAAAATACCAACAG  
 CAGTAACAATCTCACCAGATCCTGTGCTGATGAAGGCTTTTCCACTCCTTGTGCCTTTGTGGTTGCGGTG  
 TCAGGAGCCAATGGCAGCGTCTCTGGGAGAGACCCGTGGCCCAAGATGTCGCCCTTGTAAAGTGTGCCA  
 TGCCACAGACACTGGACAGTGACGAGGTGCTTCTGCCTGTATCGTTGTGGGAAGAGCTGGTTCTTTCGT  
 TGCGGTACAGTTTTTTACAGGAGAAACCCTGTGGAGCCATCCAGCAGCTTTAGTGGGAAGCTTTCCATC  
 CTGAGCCCTCTGCTCCAGGTGCCTGACATTGATGGTGATGGTGACGGTACTCCAGACCTCCTGATCCTCG  
 CCCAGGAGGGACAGGAGGTCACTGGAGCTCTATTACAGGTAGCACTGGGTACCAGATTGCCACAGAGG  
 CAGCCTTGGTGTGGATGGAGATGGTGTCCGCTCCTTCATGTGACCAGAACTGGTGTCTAGTATATTCTC  
 CTGCCCTGTGCAAGTGCCTCTGTGGCTTCTCTGTGAAGAGTCTCTATGAGAGAATTACTGGGCGAGATG  
 GCCATTTAAGGAAGACCCCTACTGGGAGAATGCTCAATCACTCTGTCCACAGGAGGCTTCTGCACAG  
 ACTTGGAGCAGTTCGCTACCTGATGAATATCCAGGAAAAGCTGGCCAGGACTTGCTCCTTGTGACCTCT  
 GAGGCCCTGCGTGTGTGGTGGACAGGATCTGGAGCCAGGTGGACCCCTTGGTGAAGTTCAGGTTCTGA  
 AAAACCTATCCTTGGCCACTACAAACCTGACACCTTGGCTGTGGTCATTGAGAATGGAACACAGCATTGA  
 TAGACAGATCCTACTTCTGGACCTCAGTACTGGTCTATCCTGTGGAGCCAGCCCTCCCAAGCCTGCCT  
 GGGGGCCACCATCCACAAGCCTGATGACTGCAGACCACCGCTCAGCCTTCTTCTTCTGGGGCTCCATG  
 ATCTTGTGAGCACTAATGAGATGGATCCCCGGATGTGCAGCACAGTCTGTATATGTTCCACCCGACCT  
 GCCTGGCATCCTGCTGGAGCTAGCCAACGTGTCTGCCAACATCGTGGCCTTTGATGCCGTCTGCTGAG  
 CCAAGCCGCCATGCTGCCTATGTGCTCTGACGGGCCAGCAAGCTCAGATGTGCTGGCCTGGTCTCTG  
 TCACCAAACACAAAGTGAAGACCTTGTCCAGGCAGTAGAGTATCCACTTGGGTGAAGGCAGCTCAGA  
 CAGCGACCAGGCTATCCGGGACCGTTCTCCCGACTACGGTACCGGAGTGAGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223409 representing NM\_207217  
 Red=Cloning site Green=Tags(s)

MMDNKDLEAEIHPLKNEKKSQENPGNLPRNEDNLKSKPVPSRLSRCRTVAFFLSLFTCLFVVFVLSFII  
 PCPDRPSSQGTWKL DYNNAVMYDFLALGDINKDKVQDVLFLYKNTNSSNNLTRSCADEGFSTPCAFVAV  
 SGANGSVLWERPVAQDVALVKCAMPQTLDSDEVSSACIVVGRAGSFVAVSFFTGETLWHPSSFSGNVSI  
 LSPLLQVPDIDGDGDPDLLILAQEQEVSGALYSGSTGYQIGHRSLGVDGDGVALLVHVRTGAQYIL  
 LPCASALCGFSVKSLYERITGRDGHFKEDPYWENMLNHSVHRRLLHRLGAVRYLMNIPGKAGDLLLLVTS  
 EACVLLDGQDLEPRWTLGEVQVLRKPILGHYKPDTLAVVIENGTSIDRQILLDLSTGSILWSQPLPSLP  
 GGPPSTSLMTADHRSAFFWGLHDLVSTNEMDPPDVQHSLYMFHPTLPGILLELANVSANIVAFDAVLL  
 PSRHAAYVLLTGPASSDVPGLVSVTKHKVQDLVPGSRVIHLGEGSSDSQAIRDRFSRLRYRSEM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9015\\_d02.zip](https://cdn.origene.com/chromatograms/mm9015_d02.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_207217

ORF Size: 1665 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\\_207217.4](#), [NP\\_997100.1](#)

RefSeq Size: 2751 bp

RefSeq ORF: 1668 bp

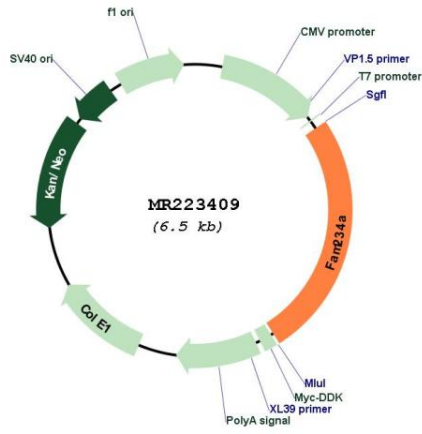
Locus ID: 106581

UniProt ID: [Q8C0Z1](#)

Cytogenetics: 17 A3.3

MW: 61 kDa

**Product images:**



Circular map for MR223409