

## Product datasheet for **MR206687**

### Fam110c (NM\_027828) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam110c (NM_027828) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam110c
Synonyms:	9030611O19Rik; AU019489
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206687 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCGCGCCCTGCCGACCCTGGACTCGCTTGCTAGAATGCGGCCACCTCTCGGGACCCAGGGCAGCGG  
 AGGACTCTCACCCCGCGCCAGCGAACAAGAGCGCTGTGGAGAGACTGGCAGCGGACCCGCGCAAGTA  
 TGTTTCGACGACGCTGGGATCTAGCCGGGTCCTGTATCTGAACACAGGGTCCCTGAGGCCCCAGGGGTG  
 CAGCACCGCAACCCGATCCCTTCGGCTCTTGCCCCAGCTCCTGTAGCACGCAGGGCTATCGCTCGAAAGC  
 CTCTGAGACCTGATTCTGTTGGTCATCTATCGGCAGAAATGTGAATTCGTACGAGGGTCAGATGCAGACTG  
 TTCCAGAGTGGGACTGATGAAGAAGTTTTCCAGGGTCTGGCAAGGACAAAATGGCAGTGGCCCTGAG  
 ACGACCAGGGTGGCGGATGAGGATAAGACGACGAAGGAAACAGAGGCCACTTGGACTAAGTCGAGCCAGG  
 CAGCAGCCGCCAGACCAGCCTCTATGTTACCACCTCCAACCCCTGTTGTAGCCGTGAAGTCCCCAGCTGA  
 GAAGACCAGGGTGGCGAATGAAGATAAGACGACGAAGGAAACAGAGGCCACTTGGACTAAGTCGAGCCAG  
 GCAGCAGCCGCCAGACCAGCCTCTATGTTACCACCTCCAACCCCTGTTGTAGCCGTGAAGTCCCCAGCTG  
 AGAAGACCAGGGTGGCGAATGAAGATAAGACGACGAAGGAAACAGAGGCCACTTGGACTAAGTCGAGCCA  
 GGCAGCAGCCACCAGACCAGCCTCTATGTTACCACCTCCAACCCCTGTAGTAGCTGTGAAGTCCCCAGCC  
 TTGCCTTTTGAAGTGGCTCCCAGGGTCTCTGTCGGATGCTCCGGTGTGCAGCTGCGGGTGTGCGGTAGCA  
 AAGGATTGCAGCGCTCTCAGTCAGATCTCAGCTCCCGCTACTCGATAGCCAAGGCTGAGTCCGACACCTT  
 CTTCAAGTATTGTGGCTGGACCCTGACGTAGTGGAGGCTCTCGGAGGGGAGAACTTTCTGCTGGATCC  
 GACTGTGTACTACTCAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
 AGGACCGGTTGCAAGAAGAGGAACCTCTGGAGCAGGTGCCTAGCACCCTCGGTAGTAAAGGAACGC  
 CCGTATCATAAAGTGGCTGTTTACCTGCAAGAAGGCCAAAGAAACCCCCAGCCAGAAATTACAGGGACCT  
 GCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206687 protein sequence  
 Red=Cloning site Green=Tags(s)

MRALPTLDSLARMRPLGDPRAAEDTLTPRPANKSAVERLAADRKYVRSTLGSRRGPVSEHRVPEAPGV  
 QHRNPIPSALAPAPVARRAIARKPLRPDSLVIYRQKCEFVRGSDADCSRVLGMMKKFFQSGKDKMAVAPE  
 TTRVADEDKTTKETATEATWTKSSQAAAARPASMLPPPTPVVAVKSPAETRVANEDKTTKETATEATWTKSSQ  
 AAAARPASMLPPPTPVVAVKSPAETRVANEDKTTKETATEATWTKSSQAAAARPASMLPPPTPVVAVKSPA  
 LPFEVAPRVPVGC SGVQLRVSRSKGLQRSQDLSSRYSIKAESDTFFKYCGLDPDVVEALGRENFSAGS  
 DCVTLKVRVSVMAASDSSF SRHSEDGLQEELLEQVPSTTSVVERNARI IKWLF TCKKAKETPSQKLQGP  
 A

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_027828

**ORF Size:** 1266 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\\_027828.2](#), [NP\\_082104.2](#)
**RefSeq Size:** 2684 bp

**RefSeq ORF:** 1266 bp

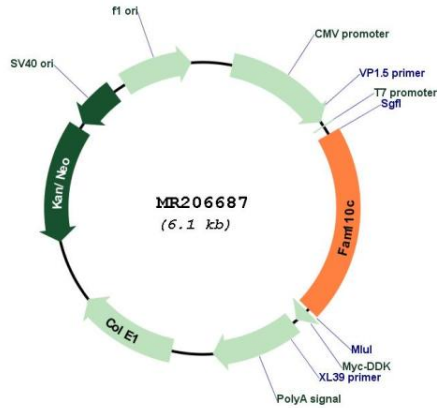
**Locus ID:** 104943

**UniProt ID:** [Q8VE94](#)
**Cytogenetics:** 12 A2

**MW:** 45.3 kDa

**Gene Summary:** May play a role in microtubule organization. May play a role in cell spreading and cell migration of epithelial cells; the function may involve the AKT1 signaling pathway. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206687