

## Product datasheet for MR206440

### Fam111a (NM\_026640) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam111a (NM_026640) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam111a
Synonyms:	4632417K18Rik; AW413625
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206440 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTGTAAGAAGCGGAAATCACAGATCTCATTTAATCCAAGGAAAAATAAAAAATTAAGGACTATT  
TCTCTCAGGTCCCAAAGAAGAGCAGAATGACCCCAACACAGTAAAAGTGGACTCTAAAAAATGCCAAG  
GGATAAACCAACACCAGGGACCAAGACCCTTCCACCCAGGAAAACCGACAAGATCAGACTCCTCCC  
CTAAATAAGAAAAATCACAGTAACCTTGGGTGTGAACTCTAGGAAACACAAAAACATGAAATATGAGCTCA  
CGTGTAGGGAGACAAGCAGCTTGTATGCAGCACTCAACACTCTCAGTGTGTGAGAGAAGAGGTAGAAAAG  
TCAAAAGGGCAGAGAAATGCTGGTGTGTGGCAAAGAAGGAATTGAAGGGTACTTAAACCTTGGCATGCC  
GTCTGCTGTATACCAGAAGGCAGCCATGTCTGCTATTACATTTTGTCAATGTAAAAGTAAGACACAGGAAA  
ATAAAACATTTCTTTGAATCACAGGACCAAGCATCTACCAATTACGTCCGATTTTGCATTCATGCAGTTGG  
GAGTAAGAGGAAAAAGATTCTGAAGTGTGGAGAACTTCAGAAAGAGGGGAACAACTCTGTGTCTATGGC  
TTCAAAGGAGAGACCATCAGGGACACTCTGAGGAAGGATGGCAGGTTTGTACTTTCATAGAGAGTGACG  
GCTTTTTCAGGTTGCAGCTGAGCTACCAAAGAACCCAGAGTAGTCTCTGTCACTCAGAATTCTGGGTCA  
GAGAACAGAAACTTTTCAAGCTAGAAGAGTACATTGTGAATGAGTACACTACATTGAAAGAAGAAGGAA  
AAAAACTTAGAGCATACATCAAGGAAAAAAGTGAAGAAAGGAAGAAGAAAGCTTCTTATTCAAAGTGCA  
TAAAGAACAACCTTTGGGAAAATGACAAGAAATTCTACTCCTGTTAAAGTGGTCAAACATCTTTCGAGGGTC  
AGTGACTCAGTTGGGTTCTATGGTGGAAACAATGAAATGCAGGCTGTGCCACCTGCTTTGTTTTTA  
AAGAGTTGTACATTTTGACTTGTGAGCATGTGATAGCTAGCATTGTGGGTGAAGGCATAGATTCAAGTGA  
GTGGGCAACATAATTAGTCAGTGTGTAAGGTGACCTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206440 protein sequence  
 Red=Cloning site Green=Tags(s)

MSCKKRKSQISFNPRKNKKIKDYFSQVPKEEQNDPNTVKVDSKMKPRDITNTRDQRPLSPRKTRQDQTPP  
 LNKKITVTLGVNSRKHKNMKYELTCRETSSLYAALNTLSAVREEVESQKGREMLVCGKEGIEGYLNLGMP  
 VCCIEPEGSHVVI TFCQCKSKTQENKQFFESQDQASTNYVRF CIHAVGSKRKKILKCGELQKEGNKLCVYG  
 FKGETIRDTLRKDGRFCTFIESDDWKLINDLDTIIENTQPVDELEGKLFQVAAELPKNPRVSVTQNSGS  
 ENRNFHKL E EYIVNEYTTLKEEGKLRAYIKEKSEKRKKKASL FKVHKEHFGKMTRNSTPVKVVVHLSRV  
 SDSVGFLWNNNGNAGCATCFVFKELYILTCQHVIASIVGEGIDSSEWANIISQCVKVTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_026640

**ORF Size:** 1233 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\\_026640.1](#), [NM\\_026640.2](#), [NP\\_080916.1](#)

**RefSeq Size:** 3199 bp

**RefSeq ORF:** 1842 bp

**Locus ID:** 107373

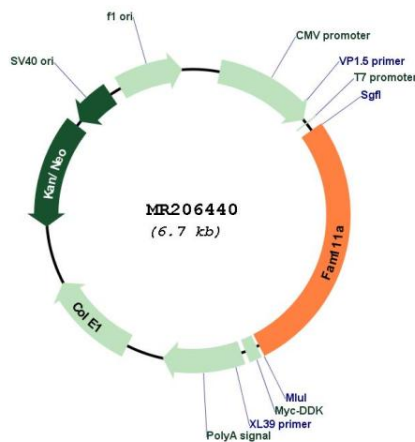
**UniProt ID:** [Q9D2L9](#)

**Cytogenetics:** 19

**MW:** 46.9 kDa

**Gene Summary:** Chromatin-associated protein required for PCNA loading on replication sites. Promotes S-phase entry and DNA synthesis (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206440