

Product datasheet for **MR205594**

Fam81a (NM_029784) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam81a (NM_029784) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam81a
Synonyms:	6430514L14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205594 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCATCTAAGGCGAGTGAAGACCATGCCCGACACAGCCAGTCCCTGACCATGGCGCCGTA
CTTCTG
TGAGTCTGGTGGAGCAGCTGGAAGACAGGATCCTCTGTCATGAGAAAACACAGCAGCACTGGTGGAGCA
TGCCCTCCGCATCAAAGATGACATCGTCAGCAGTTTGCAGAAGATGCAGAATAAAGGGGAGGTGACCGC
TTAGCCAGGCTGTTCTTGAAGAGCATATCAGAAACATAACCGCCATTGTGAAGCAACTGAATCGGGATA
TTGAGGTTCTCCAGGAGCAGATCCGTGCCAGGGACAACATCAGCTATGGAACAACTTCTGCCTTAAAGAC
GCTGGAGATGCGCCAGCTCTCTGGCTTGGGAGATCTCCGAGGAAGAGTTGCAAGGTGCGACGCCAGCATA
GCCAGGCTCTCTGCCGAGCATAAGTCGACCTACGAGGGACTCCAGCACTTGAACAAGGAACGAAAGCAG
CCAAGCTTATCTGGAACAAAAATCAAAGACGCAGAAGGACAGATTTCTCAGCTTTTGAGCAGAGTGGA
CTTGTCATCTCAGAGCAGAGCACAAACTGAAGATGTCCACAGGGACAGCAACCAGCTCCAGCTC
CTGGACACTAAATTTAAAGGCACCGTTGAAGAGCTCAGCAACCAGATTTTGTCTGCACGGAGTTGGCTGC
ACAAGAACAGGAGCGGATAGAGAAAGAACTTCTGCAGAAAATAGACCATCTCTCCTTGATTGTTAAGGA
AAACAGTGGAGCCAATGAAAGAGACGTAGAGAAGAACTCAGCCAGATGTCGGCCAGGCTTGACAAAATC
GAAGAGATCAGAAGAGGAATGCTGAAGGACAGAGAAAGCCGGACGAGGAGAAGGTGACCGGGCGGATCA
GCAAGCTGGAGCTACAGATGACGGAGGACATGAAGGAGATGAAAGCGGAGGTTAATGCCGGTTCTCAGC
CATCTATGAGAGCATAGGGTCCCTCAGACAAGTCTGGAGGCCAAGATGAAGCTGGACAGGGACCAACT
CAGAAGCAGATCCAGCAGATGCAGAAGCCAGAGACCGCCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205594 protein sequence
Red=Cloning site Green=Tags(s)

MHLRRVKTMPRHSQSLTMAPYSSVSLVEQLEDRLCHEKTTAALVEHAFRIKDDIVSSLQKMQNKGGGDR
 LARLFLEEHIRNITAIVKQLNRDIEVLQEQIRARDNISYGTNSALKTLEMRQLSGLGDLRGRVARCDASI
 ARLSAEHKSTYEGQLHLNKEQQAALILETKIKDAEGQISQLLSRVDLSISEQSTKLKMSHRDSNHQLQL
 LDTKFKGTVEELSNQILSARSWLQQEQERIEKELLQKIDHLSLIVKENSANERDVEKKLSQMSARLDKI
 EESQKRNAEGQRKPDEEKVHGRI SKLELQMTEDMKEMKAEVNAAGSAIYESIGSLRQVLEAKMKLDRDQL
 QKQIQQMOKPETAM

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_029784

ORF Size: 1095 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_029784.2](#), [NP_084060.1](#)

RefSeq Size: 2883 bp

RefSeq ORF: 1095 bp

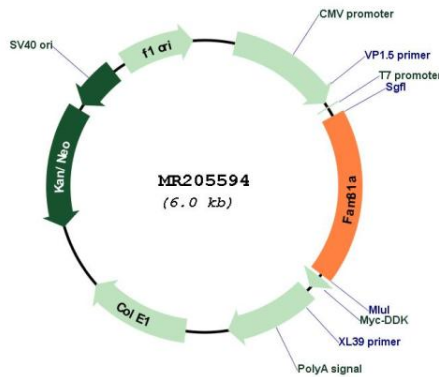
Locus ID: 76886

UniProt ID: [Q3UXZ6](#)

Cytogenetics: 9 D

MW: 41.7 kDa

Product images:



Circular map for MR205594