

Product datasheet for MR213943

Fam8a1 (NM_001033192) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam8a1 (NM_001033192) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam8a1
Synonyms:	C78339
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213943 representing NM_001033192 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGGGCCCGAGGAAGCCCGGAGCCGCCCTCCGGAGCAGGATGGCAGTGGCGGGACCACGAGC
CGGTCCCTCCGAGCCAGGCTCTCCACCACCACCGTCGCGGCCACCGCCGCCCGCCCGGTCGCCCGGC
CCTCGCGAGCGTCGCTCGGCAGTGTGGAGCCCGAGCCGAGTGGCAGCTCCGCAAGCGCCGGGAGACG
GGCGCGGAGCCTCCGGAGGCGGGAGACTGCGAGGCGTGGACGGCCCGGGGCGGTGAGCGCGCGGAGT
ACTCGCGCAGGTGCACGAATGGCTGTGGCAGTCTACTGCGGCTACCTGACCTGGCACAGCGCCCTGGC
CGCCTGCCCCGCTACTGCGGCCCGCCACCACCGCCGCCACCGCCCGCAGCCCGCCGCTCCCTCGCCG
TCGTCCCCGCGCAGCGCCGTGTCGCCCGCCACCGCCCGCCCGCCGAGCTGGCGTACTACAACCCCTTCT
ACTTCTGAGCGCTGCGGGGCCCGGGCCGGGGCGGCCACGGGCGGCGCCACCCCGACGGCTGTGCGGGG
CCTCACGGCCCGGGCCCGCACGTGCAGCCATCGGCCCGGGCGGCCCGGGACCAGGGTGGGTTCTGCA
GCCCTGCGCGGACTGCCAGCGACACGGGGCGGCAGGCAGGTAGAGAGTATGTCATTCCATCCTTGGCCC
ACAGATTTATGGCAGAGATGGTGGATTTCTTTATTCTTCTTTATAAAAGCAACCATTGTCTTGAGCAT
CATGCATCTCAGTGAATAAAGGACATCTAAGTTTGCCATGCACTATATAAGAAGAGATTGATGAA
GACACATCAATGGAAGACCTGCAGAAAATGATGATTGTGGCGTTATATACAGGTTGTAGTTTGTCTTCT
ATGAGATAATTTGCATTTGGGGAGCAGGGGGAGCTACCCAGGAAAGTTCTGCTAGGGCTTCGAGTTGT
GACATGTGATACATCAGTACTCATTGCTCCAAGTCGGGTTTTAGTAATTCCTTCCCAAATGTTAGCATC
ACTACGTCACCATACGAGCTTTGATCAAGAAATTTTCTATTGCTTCTTTTTCCCTGCTTTCATCACAC
TGCTGTTTTTTCAGCATAATCGAACAGCCTATGACATTGTAGCAGGAACCATTGTGGTAAAGAGAAATGG
GGTCAGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213943 representing NM_001033192
Red=Cloning site Green=Tags(s)

MAEGPEEARSRPPEQDGSGGDHEPVPSEPGSPTTTVAATAAAPRSPALASVASAVSEPEPQCELKRRET
 GAEPPEAGDCEASDGPGRLSAREYSRQVHEWLWQSYCYLWHSGLAALPAYCGPPPPAATAPQPAVPS
 SSPTTPSSPPPPPPQLAYNPFYFLSAAGPGGAATGGATPTAVAGLTARAPHVQPSARAAPGTRVGS
 APARTASDTGRQAGREYVIPSLAHRFMAEMVDFILFFIKATIVLSIMHLSGIKDISKFAMHYIIEEIDE
 DTSMEDLQKMMIVALIYRLLVCFYEIICIWGAGGATPGKFLGLRVVTCDSVLIAPSRVLVIPSSNSVI
 TTSTIRALIKNFSIASFFPAFITLLFFQHNRATYDIVAGTIVVKRNGVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033192

ORF Size: 1197 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_001033192.3](#)

RefSeq Size: 1381 bp

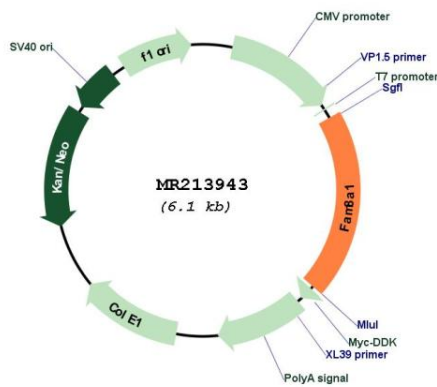
RefSeq ORF: 1200 bp

Locus ID: 97863

Cytogenetics: 13 A5

MW: 42.7 kDa

Product images:



Circular map for MR213943