

Product datasheet for **MR207976**

Fam114a2 (NM_001168668) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam114a2 (NM_001168668) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam114a2
Synonyms:	1810073G14Rik; 9030624B09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207976 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGATAAGGATCCTCCAGAGTCTCCAGTGGTAACCGAAGTAGCTTCGACCCTTAAAGATGAGAACT
 GTGAGCCAGTGGAGAAGCCAGAGGATAAATCTCAGCCTGTAGTGTCCACCGGAAAAGACCAGAGACCAA
 ACCTTCCAGTGACCTTGAGGCTTCTGCTCTTCTGCTCAGGTTTCACTGGCTGTAGCCAAAGAGACTGCT
 TCTAAAGATGTACCTCAGACTGGGTGGGTTATTGGGGCAGTTGGGGCAAGTCTCTGCTCTCCTCAGCCT
 CAGCTACGGTAGCTACAGTAGGACAAGGTATTTCAAATGTCATTGAGAAGGCAGAGACTTCTCTTGGGAT
 TCCTAGCCCCACTGAAATTTAGCTGAAGTCAAGCAAGCAGCAGGAGAAAAAATGCTGGTGAGAATGGA
 AGCTTACTAGTGGCTGCACCATTCGGGATGCTCTCGACCATCTCTACAGCTGTGCAGAGCACGGGAAGA
 GCGTTATCAGCGGGGCTTGGATGCCTTGAATTCATTGGGAAGAAGACAATGGATGTCATAGCAGAAGG
 GGACCCTGGATTTAAAGAACCAAGGGCCTGATGAATCGGACTTCTACGCTGTCTCAGGTTTTACGAGAG
 GCAAAGGATAAAGAAGAGCAGCGCCTTCCAATGAAGTAACCATGGAAACAGACAAGAAAACTCATTATG
 GGCTACTCTTTGATGAGTTTCAAGGCCTTTCACATCTAGAAGCTCTGGAGATGCTTTCCCGAGAAAGTGA
 GATAAAGGTGAAATCTATTCTTAGTTCTCTGAGTGGAGAAGAACTACAGACAACCTAGACTTGAGCTAGAG
 CAGCTCAAAGAAGTGTTTCCCTAGCAGAGTCTGTGAGGAAGAGGAGGAGAGACAAGGGGATGACG
 ATTTTACCAAGGAGATAACAGATCTGTTTGCTCAGCTTCACATCTCTCCCGACCAGAGAAGCTTGCCAG
 GGCAAGAAATACAGCCTACAAATGGATCAGAATCTCTGGCTAGGCCAGTAGCAGAGAAAGAAGAAGGA
 GAAAAAGAGTCGGAGGCAGGAAATACCGAGGAAGCCAGAAACATTCAATAGAGGATATCCATGCATTG
 CAATCCGGAGCTTAGCAGAGTTGACTGCCTGCTCAATAGAATTGTTCCACAAAACAGCAGCATTGGTTCT
 GCATGGCCAGAAGCAGGAGGTGACAGCCTTAGAGAGGAGCCAGACTCTCTCCAGATGACAGTCATGCTG
 TGTAAAGACCTGGCCTCGCTGTCTAAAGAGTTCACACCTGCCTGACCACAGTTGGGGTCAGAGAGAAGG
 CAGATGTTCTTAATCCAGTCATCACTGCAGTGTCTTAGAGGCCTCAAACAGCGCCTCTTACATTCAAGA
 TGCCTTCCAACCTCTCTGCCTGTGCTGCAGATCTCTCTCATCGAGAGCAAGACAGAGTCATCCACGTGT
 GAGCCACAGCCCAGAGACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207976 protein sequence
 Red=Cloning site Green=Tags(s)

MSDKDPPESPVTEVASTLKDENCEPEKPEDKSPVSTRKRPETKPSSDLEASALPAQVSLAVAKETA
 SKDVPQTGWYWGWSGKSLSSASATVATVGQISNVIEKAETSLGIPSPTEISAEVKQAAGEKNAGENG
 SLLVAAPFGMLSTISTAVQSTGKSVISGGLDALEFIGKKTMDVIAEGDPGFKRTKGLMNRTSLSQVLR
 AKDKEEQRPSNEVTMETDKKTHYGLLFDEFQGLSHLEALEMLSRESEIKVKSILSSLSGEELQTTTRLELE
 QLKEVFSLAEFCEEEEEERQDDDFTEITDLFAQLHISSRPEKLARARNTAYKWIRTSARPVAEKEEG
 EKESEAGNTEEAQKHSIEDIHAFAIRSLAELTACSIELFHKTAALVLHGQKQEVTALEERSQTLQMTVML
 CKDLASLSKEFTTCLTTVGVREKADVLNPVITAVFLEASNSASYIQDAFQLLLPVLQISLIESKTESSTC
 EPQPRDL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001168668

ORF Size: 1491 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001168668.1](#), [NP_001162139.1](#)

RefSeq Size: 2608 bp

RefSeq ORF: 1494 bp

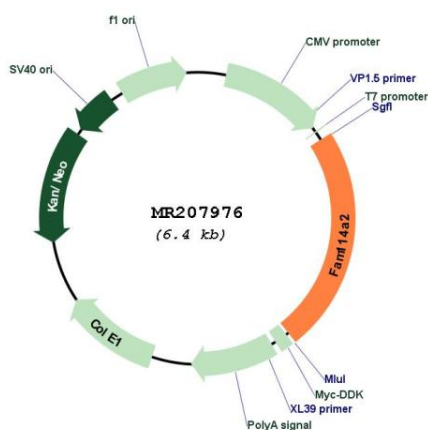
Locus ID: 67726

UniProt ID: Q8VE88

Cytogenetics: 11 B1.3

MW: 54.2 kDa

Product images:



Circular map for MR207976