

Product datasheet for **MR215034**

Fam114a2 (NM_026342) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam114a2 (NM_026342) 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:

>MR215034 representing NM_026342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAGATAAGGATCCTCCAGAGTCTCCAGTGGTAACCGGAGTAGCTTCGACCCTAAAGATGAGAACT
 GTGAGCCAGTGGAGAAGCCAGAGGATAAATCTCAGCCTGTAGTGTCCACCCGAAAAGACCAGAGACCAA
 ACCTTCCAGTGACCTTGAGGCTTCTGCTCTTCTGCTCAGGAGACTGCTTCTAAAGATGTACCTCAGACT
 GGGTGGGTTATTGGGGCAGTTGGGGCAAGTCTGCTCTCCTCAGCCTCAGCTACGGTAGCTACAGTAG
 GACAAGGTATTTCAAATGTCATTGAGAAGGCAGAGACTTCTTTGGGATTCCTAGCCCCACTGAAATTTT
 AGCTGAAGTCAAGCAAGCAGCAGGAGAAAAAATGCTGGTGAATGGAAGCTTACTAGTGGCTGCACCA
 TTCGGGATGCTCTCGACCATCTACAGCTGTGCAGAGCAGGGCAAGAGCGTTATCAGTGGGGCTTGG
 ATGCCTTGAATTCATTGGGAAGAAGACAATGGATGTCATAGCAGAAGGGGACCCTGGATTTAAAAGAAC
 CAAGGGCCTGATGAATCGGACTTCTACGCTGTCTCAGGTTTTACGAGAGGCAAAGGATAAAGAAGAGCAG
 CGGCCTTCCAATGAAGTAAACATGGAAACAGACAAGAAAACCTATTATGGGCTACTCTTTGATGAGTTTC
 AAGGCCTTTCACATCTAGAAGCTCTGGAGATGCTTTCCGAGAAAAGTGAGATAAAGGTGAAATCTATTCT
 TAGTTCTCTGAGTGGAGAAGAACTACAGACAACACTAGACTTGTAGCTAGAGCAGCTCAAAGAAGTGTTC
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 ATCTGTTTGTCTCAGCTTACGCTCTCTCCGACCAGAGAAGCTTCCAGGGCAAGAAATACAGCCTACAA
 ATGGATCAGAACATCTCTGGCTAGGCCAGTAGCAGAGAAAAGAAGGAGAAAAAGAGTCGGAGGCAGGA
 AATACCGAGGAAGCCAGAAACATTCAATAGAGGATATCCATGCATTTGCAATCCGGAGCTTAGCAGAGT
 TGACTGCCTGCTCAATAGAATTGTTCCACAAAACAGCAGCATTGGTTTTGCATGGCCAGAACAGGAGGT
 GACAGCCTTAGAGAGGAGCCAGACTCTCTCCAGATGACAGTCATGCTGTGTAAGACCTGGCCTCGCTG
 TCTAAAGAGTTTACCACCTGCCTGACCACAGCTGGGGTCAGAGAGAAGGCAGATGTTCTTAAATCCAGTCA
 TCACTGCAGTGTCTTAGAGGCCTCAAACAGCGCCTTTACATTCAAGATGCCTTCCAACCTCCTCTGCC
 TGTGCTGCAGATCTCTCATCGAGAGCAAGACAGAGTATCCACGTGTGAGCCACAGTCCAGAGACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215034 representing NM_026342
 Red=Cloning site Green=Tags(s)

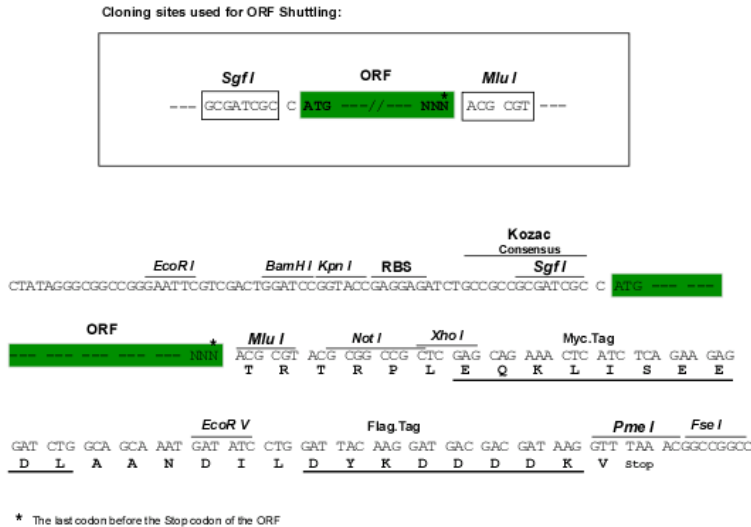
MSDKDPPEPSPVVTGVASTLKDENCEPVEKPEDKSQPVVSTRKRPETKPSDLEASALPAQETASKDVPQT
 GWGYWGSWGSLLSSASATVATVGQGISNVIEKAETSLGIPSPTEISAEVKQAAGEKNAGENGSLVAAP
 FGMLSTISTAVQSTGKSVISGGDLDALEFIGKKTMDVIAEGDPGFKRRTKGLMNRSTLSQVLREAKDKEEQ
 RPSNEVTMETDKKTHYGLLFDEFQGLSHLEALEMLSRESEIKVKSILSSLGSEELQTRLELEQLKEVFS
 LAEFCEEEEEERQDDNFTKEITDLFAQLHVSSRPEKLARARNTAYKWIRTSLARPVAEKEEKESEAG
 NTEEAQKHSIEDIHAFAIRSLAELTACSIELFHKTAALVLHGQKQEVTALEERSQTLQMTVMLCKDLASL
 SKEFTTCLTTAGVREKADVLNPVITAVFLEASNSASYIQDAFQLLLPVLQISLIESKTESSTCEPQSRDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_026342

ORF Size: 1470 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_026342.3](#), [NP_080618.1](#)

RefSeq Size: 2590 bp

RefSeq ORF: 1473 bp

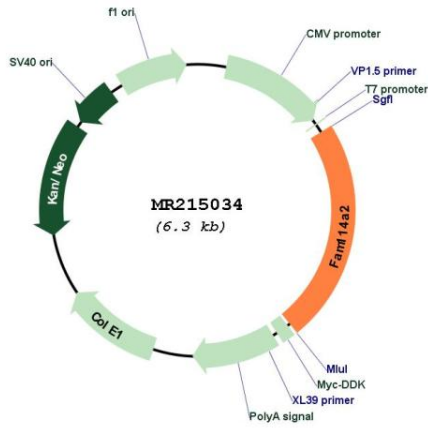
Locus ID: 67726

UniProt ID: [Q8VE88](#)

Cytogenetics: 11 B1.3

MW: 53.8 kDa

Product images:



Circular map for MR215034