

Product datasheet for **MR230434**

Fam214b (NM_001253354) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam214b (NM_001253354) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam214b
Synonyms:	B230312A22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230434 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGCCACGTGCAGGCGGAGCTGTCTCCATCCTCAGAGCCAGAGGCTGGCCCTTACAGCCTCCAGTCA
 GACAGGGGACCCTCCAGGGTGGCCTGCTCATGGGCTACAGCCAGCAGGGGGGGCAGATCCCCGGGT
 CTACCAGGTATCCATCTTTTCCCCTTCACTGGTGCCTCCGAGCCTCCTAGGGCTCTGAAGCGGCCGGCC
 CCTCCCACCGAGGGTCCCCGGGAGCTGAAGAGAGGCCCTGGGCTGGGGCCAGAGAGGGACTACCCCTG
 AAGAACCATCTACTGTGGGACTCTTGGAGCCAGAGGGACTGGGTCTGGGACTGGGTGTGGCTAGCCAGCA
 TTTCTCCACCATGGCCTCTGTGTTGTGGAGCACGGAGGTAATACCACCTCACCTTGACTTCAGGGACC
 CAGAGTACACCCTGGCTCTCATCAATGCTTCTTCAATACTTTGCACACCAGAGACTGGGCTTCCAG
 ATCAAGGGGGACAGGGGTGCCTGGGGGAGACTCCAGGGCCAGCCCCTTCAAGCCAGCTGCACACACTTGA
 CACTGATTTGCACAATCTTGCACAAATAGGGGGTAAGAGCCAGTGGCTAGGGTGGCAACGGGAGCAAC
 CCTGGCCTAGGGAGTCCCATGGAAGTGCATGGGCACAGTCCCAGACACACCCCCTGGCCCTGGAC
 CTCTGGCCCCTGCCCAAGCGAAGGCTGCTGCCTGCTGGAGAAACCTTGTATGTCAGCTCTGAGGA
 TGAGGGGCCAGCCCTCGGAGGCGCCGGGAACCTGGGCTGCCCTTGTCTGCCAATAGTTCTGATGCC
 AAAGCCACACCCTTCTGGAGCCACTGCTGCCTGGGCCAAGGAGCCTGTTTTGGACCAACAGACTGCA
 GTCCATGGGGCGGAGGCTGAAAGGCGCCCGTGCCTGAAGCTAAGCTCCCTTGAACCTCCGGAAGGG
 GCCAGGCTGCTGAGCCCTCCAGTGCCTCCCCCTTCCACCCCTGCTGTCAGCCGACCCCTGCTGGGC
 AACTTTGAGGAATCACTGCTTCGAGGACGCTTTCACCATCTGGCCACATTGAGGGCTTTACTGCAGAGA
 TTGGAGCCAGTGGGTCTTACTGTCCCAACATGTCACGCTGCCCGTCACTGTCACCTTTTTGATGTTTC
 TGAGCAAAATGCGCCGGCCCTTCTGGGAGTGTGGACCTGACTCCTCTGGGGAGGAAGGTTACAGT
 GTGCCAAGTGGGCACCATCCAAGTGACCTTATTTAACCCTAACAGACTGTGGTGAAGATGTTCTTGT
 TGACCTTTGACTTCTCGACATGCCTGCTGCCACATGACCTTCTGCGCCATCGCTCTTCTTGGTGCC
 TGTGGGTGAGGAGGAAATGCTAGCCCCACCCACCGCCTCCTCTGCTACTTGCTGCACCTCAGGTTCCGG
 AGCTCTCGCTCAGGCCGCTTAAAGCTGCATGGAGATATCCGCTGCTTTTTTCCCGCCGGAGCCTGGAGC
 TGGACACGGGGTCCCCTATGAAGTTCAGGCTGTGACTGAGGCCCCCAATCCACGTTATTCACCTTT
 GCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230434 protein sequence
 Red=Cloning site Green=Tags(s)

MRHVQAE LSPSSEPEAGPSQPPVRQGLTQGGLLMGYSPAGGATSPGVYQVSI FSPSAGASEPPRALKRPA
 PPTEGPRELKRGPLGAREGLPPEEPSTVGLLSPEGLGLGLVASQHF SHHGLCVVEHGNNTTSPWTS
 QSTPWLSSNASFNLT LHTRDWAFPDQGGQGLGETPGPAPSGQLHTLDTDLHNLAIQIGGKSPVARVNGSN
 PWPRESHG TANGHSPEHTPPGPGPPGPCPTKRRLLPAGE TLDVSSSEDEGPAPRRRRGTLCPLAANSSDA
 KATPFWSHLLPGPKPVLDPD CSPMGRRLKGARRLKLSSLRTL RKGPGLLSPPSASPFPPTPAVSRLLG
 NFEESLLRGRFAPSGHIEGFTA EIGASGSYCPQHVTLPVTVTFD VSEQNAPAPFLGVVDLTPLGRKGYS
 VPKVGTIQVTLFNPNTVVKMFLVTFDFSDMPAAHMTFLRHRLFLVPVGEENASPTHRLLCYLLHLRFR
 SSRSGRLSLHGDIRLLFSRRSLELDTGLPYELQAVTEAPHNPRYSPLP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001253354

ORF Size: 1614 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_001253354.1](#), [NP_001240283.1](#)

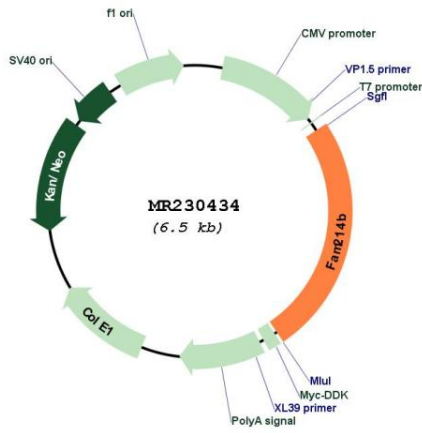
RefSeq Size: 3086 bp

RefSeq ORF: 1617 bp

Locus ID: 230088

UniProt ID: Q8BR27
 Cytogenetics: 4 A5
 MW: 57.1 kDa

Product images:



Circular map for MR230434