

Product datasheet for **MR230433**

Fam214b (NM_001253353) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam214b (NM_001253353) 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:

>MR230433 representing NM_001253353
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCCACGTGCAGGCGGAGCTGTCTCCATCCTCAGAGCCAGAGGCTGGCCCTTACAGCCTCCAGTCA
 GACAGGGGACCCTCCAGGGTGGCCTGCTCATGGGCTACAGCCAGCAGGGGGGGCAGATCCCCGGGGT
 CTACCAGGTATCCATCTTTTCCCCTTCACTGGTGCCTCCGAGCCTCCTAGGGCTCTGAAGCGGCCGGCC
 CCTCCCACCGAGGGTCCCCGGGAGCTGAAGAGAGGCCCTGGGCTGGGGGCCAGAGAGGGACTACCCCTG
 AAGAACCATCTACTGTGGGACTCTTGGAGCCAGAGGGACTGGGTCTGGGACTGGGTGTGGCTAGCCAGCA
 TTTCTCCCACCATGGCCTCTGTGTTGTGGAGCACGGAGGTAATACCACCTCACCTTGACTTCAGGGACC
 CAGAGTACACCCTGGCTCTCATCAATGCTTCTTCAATACTTTGCACACCAGAGACTGGGCTTCCCAG
 ATCAAGGGGGACAGGGGTGCCTGGGGGAGACTCCAGGGCCAGCCCCTTCCAGCCAGCTGCACACACTTGA
 CACTGATTTGCACAATCTTGCACAAATAGGGGGTAAAGAGCCAGTGGCTAGGGTGGCAACGGGAGCAAC
 CCCTGGCCTAGGGAGTCCCATGGAAGTCCAATGGGCACAGTCCCAGACACACCCCCTGGCCCTGGAC
 CTCTGGCCCCTGCCCAAGCGAAGGCTGCTGCCTGCTGGAGAAACCTTGTATGTCAGCTCTGAGGA
 TGAGGGGCCAGCCCTCGGAGGCGCCGGGAACCTGGGCTGCCCTTGTCTGCCAATAGTTCTGATGCC
 AAAGCCACACCCTTCTGGAGCCACTGCTGCCTGGGCCAAGGAGCCTGTTTTGGACCAACAGACTGCA
 GTCCATGGGGCGGAGGCTGAAAGGCGCCCGTGCCTGAAGCTAAGCTCCCTTGAACCTCCGGAAGGG
 GCCAGGCTGCTGAGCCCTCCAGTGCCTCCCCCTTCCCACCCCTGCTGTCAGCCGACCCCTGCTGGGC
 AACTTTGAGGAATCACTGCTTCGAGGACGCTTTCACCATCTGGCCACATTGAGGGCTTTACTGCAGAGA
 TTGGAGCCAGTGGGTCTTACTGTCCCCAACATGTCACGCTGCCCGTCACTGTCACCTTTTTGATGTTTC
 TGAGCAAAATGCGCCGGCCCCCTTCTGGGAGTGTGGACCTGACTCCTCTGGGGAGGAAGGTTACAGT
 GTGCCAAGTGGGCACCATCCAAGTGACCTTATTTAACCCTAACAGACTGTGGTGAAGATGTTCTTGT
 TGACCTTTGACTTCTCGACATGCCTGCTGCCACATGACCTTCTGCGCCATCGCCTCTTCTTGGTGCC
 TGTGGGTGAGGAGGAAATGCTAGCCCCACCACCGCCTCCTCTGCTACTTGCTGCACCTCAGGTTCCGG
 AGCTCTCGCTCAGGCCGCTTAAAGCTGCATGGAGATATCCGCCTGCTTTTTTCCCCTGGAGCCTGGAGC
 TGGACACGGGGTCCCCTATGAAGTTCAGGCTGTGACTGAGGCCCCCAATCCACGTTATTCACCTTT
 GCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230433 representing NM_001253353
 Red=Cloning site Green=Tags(s)

MRHVQAE LSPSSEPEAGPSQPPVRQGLTQGGLLMGYSPAGGATSPGVYQVSI FSPSAGASEPPRALKRPA
 PPTEGPRELKRGPLGAREGLPPEEPSTVGLLSPEGLGLGLGVASQHF SHHGLCVVEHGNNTTSPWTS
 QSTPWLSSNASFNLT LHTRDWAFPDQGGQGLGETPGPAPSGQLHTLDTDLHNLAIQIGGKSPVARVNGSN
 PWPRESHG TANGHSPEHTPPGPGPPGPCPTKRRLLPAGE TLDVSSSEDEGPAPRRRRGTLCPLAANSSDA
 KATPFWSHLLPGPKPVLDPDTCSPMGRRLKGARRLKLSSLRTL RKGPGLLSPPSASPFPPTPAVSRLLG
 NFEESLLRGRFAPSGHIEGFTAEIGASGSYCPQHVTLPVTVTFD VSEQNAPAPFLGVVDLTPLGRKGYS
 VPKVGTIQVTLFNPNTVVKMFLVTFDFSDMPAAHMTFLRHRLFLVPVGEENASPTHRLLCYLLHLRFR
 SSRSGRLSLHGDIRLLFSRRSLELDTGLPYELQAVTEAPHNPRYSPLP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001253353

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_001253353.1](#), [NP_001240282.1](#)

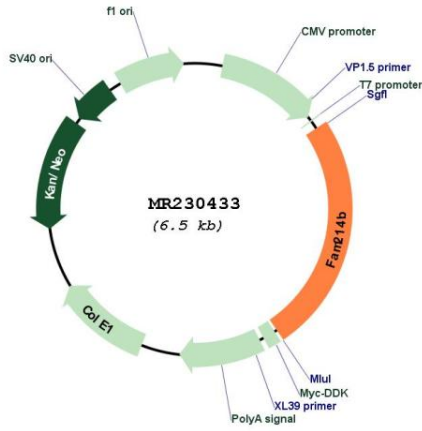
RefSeq Size: 3309 bp

RefSeq ORF: 1617 bp

Locus ID: 230088

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

Product images:



Circular map for MR230433