

Product datasheet for **MR214009**

Fam43b (NM_001081672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam43b (NM_001081672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam43b
Synonyms:	OTTMUSG00000009974
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214009 representing NM_001081672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTGCCCTGGAGACGGAACAAATTCGTGCTAGTGAGGACGAGGCCAAGCGCAAGGCGAAGAGCCTGA
GCCCCGGGCTCGCTACACGTCGCTGCTCTCCAGCTTCCTGCGCTCCTGCCGGACCTGCTACCGGACTG
GCCGCTGGAGCGTCTGGGCCGCGTGTCCGCAGCCGGCGCCAGAAAGTGGAGCTTAACAAGGAGGACCCC
ACCTACACCGTGTGGTACCTGGGCAACGCCGTACCCCTGCATGCCAAGGGCGACGGCTGCACCGACGACG
CTGTGGGCAGGATTTGGGCGCGCTGCGGGCCGGGAGGGGGCACGAAGATGAACTGACCCTGGGTCCGCA
CGGCATCCGCATGCAGCCGAGCGAACGCAGCTCCGGGGCTTCGGGGGGCCGAGACCGGGCGACGCCTAC
CTGCTGCCCGCATCACCTACTGCGCGCGGATGGGCGCCACCCGCGAGTCTTACCTGGGTCTACCGCC
ACCAGGCACGCCACAAGGCCGTGGTGTGCGCTGCCACGCTGTGTTGCTGGCGCGGGCGACAAGGCGCG
CTCCCTGGCCCGCTGCTCCACCAGACTGCGCTGGCGGCCTTCAGCGACTTCAAGCGGCTGCAGCGCCAG
AGCGATGCGCGCCACGTGCGCCAGCAGCATCTCCGTGCGGGGGCGCGCCGCTCGGTACCCCGGGCTC
CATTGCGCCGCTGCTCAACGCCAAGTGCCTTACCGCCTCCGCCGGCGAGCGCGGTGCGGAGCTCC
GCGGCTCAGCAGCATCCAGGAGGAGGATGAGGAGGAGGATGCGGAGGAGGAGACACCCGGGATAGCGAG
GAAGGAGCCCTGCAGCGGAACGCCCGAGGTGCTCAGCCTGGCCCGGAGCTGAGGACGTGCAGCCTGC
GGGTGCCCGGCACCTCCGCCACCGAGCGAGCCCCGCCGCTGGAAGCCGGCTCCAGGGAGCGGGCGGG
CCAGGCGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214009 representing NM_001081672
 Red=Cloning site Green=Tags(s)

MLPWRRNKFVLVEDEAKRKAKSLSPGLAYTSLLSSFLRSCPDLLPDWPLERLGRVFRSRRQKVELNKEDP
 TYTVWYLGNAVTLHAKGDGCTDDAVGRIWARCGPGGKTMKLTLGPHGIRMQPSERSSGASGGRRPAHAY
 LLPRTYCAADGRHPRVFTWVYRHQARHKAVVLRCHAVLLARAHKARSLARLLHQALAAF SDFKRLQRQ
 SDARHVRQQHLRAGGAAASVPRAPLRLLNAKCA YRPPPGERGRGAPRLSSIQEEDEEEDAEEDTRDSE
 EGALQRERPEVLSLARELRTCSLRGAPAPPPPAQPRRWKAGSRERAGQAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9087_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081672

ORF Size: 990 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_001081672.2, NP_001075141.1

RefSeq Size: 2367 bp

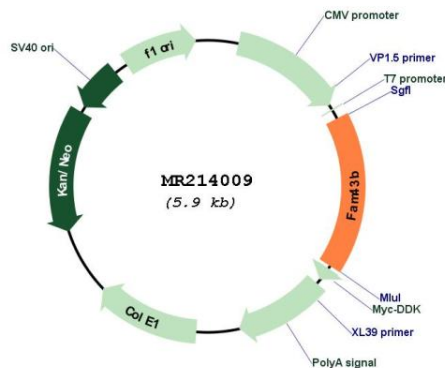
RefSeq ORF: 993 bp

Locus ID: 625638

Cytogenetics: 4 D3

MW: 37 kDa

Product images:



Circular map for MR214009