

Product datasheet for **MG214009**

Fam43b (NM_001081672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam43b (NM_001081672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam43b
Synonyms:	OTTMUSG00000009974
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214009 representing NM_001081672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGCCCTGGAGACGGAACAAATTCGTGCTAGTGAGGACGAGGCCAAGCGCAAGGCGAAGAGCCTGA
 GCCCGGGCTCGCTACACGTCGCTGCTCTCCAGCTTCCTGCGCTCCTGCCGGACCTGCTACCGGACTG
 GCCGCTGGAGCGTCTGGGCCGCTGTTCCGCAGCCGGCGCCAGAAAGTGGAGCTTAACAAGGAGGACCCC
 ACCTACACCGTGTGGTACCTGGGCAACGCCGTACCCCTGCATGCCAAGGGCGACGGCTGCACCGACGACG
 CTGTGGGCAGGATTTGGGCGCGCTGCGGGCCGGGAGGGGGCACGAAGATGAAACTGACCCTGGGTCCGCA
 CGGCATCCGCATGCAGCCGAGCGAACGCAGCTCCGGGGCTTCGGGGGGCCGAGACCGGGCGACGCCTAC
 CTGCTGCCGCGCATCACCTACTGCGCGCGGATGGGCGCCACCCGCGAGTCTTACCTGGGTCTACCGCC
 ACCAGGCACGCCACAAGGCCGTGGTGTGCGCTGCCACGCTGTGTTGCTGGCGCGGGCGACAAGGCGCG
 CTCCCTGGCCCGCTGCTCCACCAGACTGCGCTGGCGGCCTTCAGCGACTTCAAGCGGCTGCAGCGCCAG
 AGCGATGCGCGCCACGTGCGCCAGCAGCATCTCCGTGCGGGGGCGCGCCGCCCTCGGTACCCCGGGCTC
 CATTGCGCCGCTGCTCAACGCCAAGTGCCTTACCGCCTCCGCCGGCGAGCGCGGTGCGGAGCTCC
 GCGGCTCAGCAGCATCCAGGAGGAGGATGAGGAGGAGGATGCGGAGGAGGAGGACACCCGGGATAGCGAG
 GAAGGAGCCCTGCAGCGGAACGCCCGAGGTGCTCAGCCTGGCCCGGGAGCTGAGGACGTGCAGCCTGC
 GGGGTGCCCGGCACCTCCGCCACCGAGCGAGCCCGCCGCTGGAAGCCGGCTCCAGGGAGCGGGCGGG
 CCAGGCGCGC

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

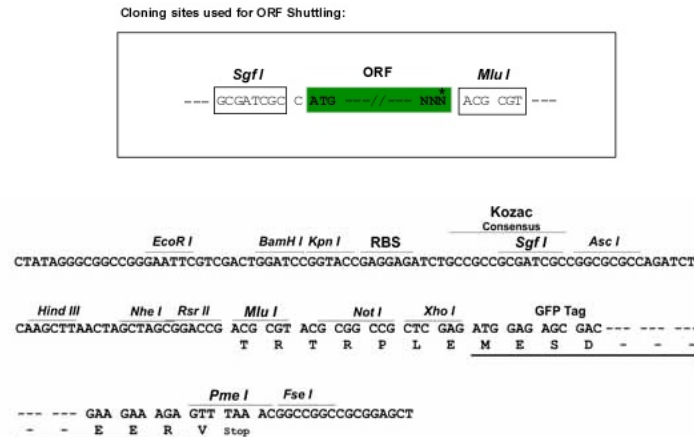
Protein Sequence: >MG214009 representing NM_001081672
 Red=Cloning site Green=Tags(s)

MLPWRRNKFVLVEDEAKRKAKSLSPGLAYTSLLSSFLRSCPDLLPDWPLERLGRVFRSRRQKVELNKEDP
 TYTVWYLGNAVTLHAKGDGCTDDAVGRIWARCGPGGKMKLTLGPHGIRMQPSERSSGASGGRRPAHAY
 LLPRTYCAADGRHPRVFTWVYRHQARHKAVVLRCHAVLLARAHKARSLARLLHQALAAFSDFKRLQRQ
 SDARHVRQQHLRAGGAAASVPRAPLRLLNAKCAYP PPPGERGRGAPRLSSIQEEDDEEDAEEDTRDSE
 EGALQRRERPEVLSLARELRTC SLRGAPAPPPPAQPRRWKAGSRERAGQAR

TRTRPLE - GFP Tag - V

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

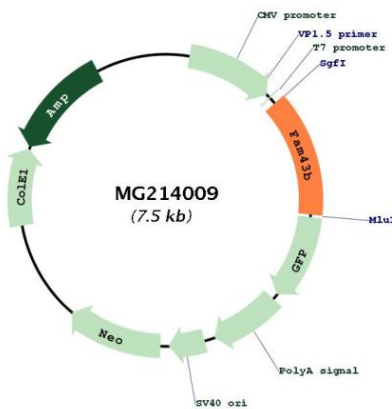
RefSeq Size: 2367 bp

RefSeq ORF: 993 bp

Locus ID: 625638

Cytogenetics: 4 D3

Product images:



Circular map for MG214009