

Product datasheet for **MG214038**

Fam50b (NM_138746) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam50b (NM_138746) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fam50b
Synonyms: D0H6S2654E; X5L; XAP-5-like
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214038 representing NM_138746
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAGTACAAAGGCACCATGCGGGAAGCTGGCCGGGCCATGCACCTGATCAAGAAGCGTGAGAAGC
AGAAGGAGCAGATGGAGGTGCTGAAGCAGCGCATCGCAGAGGAGACCATCATGAAGTCAAAAGTGGACAA
GAAGTTCTCGGCACACTACGACGCCGTGGAGGCCGAGCTGAAGTCCAGTACGGTGGCCCTGGTGACCCTG
AATGACATGAAGGCCAAGCAGGAGGCCCTGCTGAGGGAGCGGGAGATGCAGCTGGCCAAGAGGGAGCAGC
TGGAGCAACGCCGATACAGCTGGAGATGCTGCGCGAGAAGGAGCGAAGGCGAGAGCGCAAGCGCAAGAT
CTCCAACCTGTCTTTACGTTGGACGAGGAAGAAGGTGACCAAGAGGACAGCCGCCAAGCCGAGAGTGCC
GAGGCCACAGTCTGGAGCCAAGAAGAACTTGGCAAGAATCCCGATGTGGACACGAGCTTCTGCCCG
ACCGCGAGCGCGAGGAGGAGGAGAACCAGTTGCGCGAGGAAGTGCAGGAGGAGTGGGAGGCGAAGCGCGA
GAAGGTGAAGGGCGAGGAGGTGGAGATCACCTTACGCTACTGGGATGGCTCCGGCCACCGGCGCACGGTG
CGCATGAGCAAGGGCAGCACGGTGCAGCAGTTCCTGAAGCGGGCGCTGCAGGGGCTGCGCAGGGACTTCC
GGGAGCTGCGGGCAGCGGGCGTGGAGCAGCTCATGTACGTCAAGGAGGATCTCATCTGCCGCACTATCA
CACCTTCTACGACTTTCATCGTGGCCAAAGCCCGGGCAAGAGCGGCCCGCTTTCAGCTTCGACGTGCAC
GACGATGTGCGGCTGCTGAGCGATGCCACGATGGAGAAAGATGAGTCACACGCGGGCAAGGTGGTGTCTTC
GCAGTGGTACGAGAAGAACAAGCACATCTTCCCTGCCAGCCGCTGGGAGCCCTACGACCCCGAGAAGAA
GTGGGACAGGTACACCATCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG214038 representing NM_138746
Red=Cloning site Green=Tags(s)

MAQYKGTMR EAGRAMHL IKKREKQKEQMEVLKQRIA EETIMKSKVDKKS SAHYDAVEAE LKSSSTVGLVTL
 NDMKAKQEALLREREMQLAKREQLEQRRIQLEMLREKERRERKRKISNL SFTLDEEEGDQEDSRQAESA
 EAHSAGAKKNL GKNPDVDT SFLPDREREEENRLREELRQEWAKREKVKGEEVEITFSYWDGSGHRRTV
 RMSKGSTVQQFLKRALQGLRRDFRELRAAGVEQLMYVKEDLILPHYHTFYDFIVAKARGKSGPLFSFDVH
 DDVRLLSDATMEKDESHAGKVVLRSWYEKNKHIFPASRWEPYDPEKKWDRYTIR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138746

ORF Size: 1002 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_138746.2](#), [NP_620085.2](#)

RefSeq Size: 1315 bp

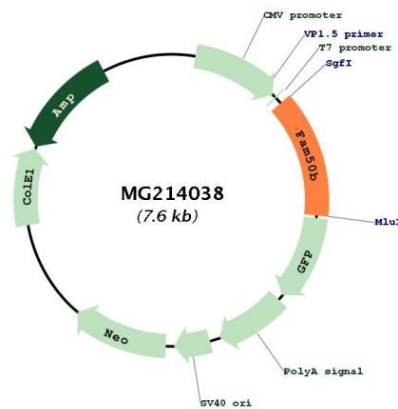
RefSeq ORF: 1005 bp

Locus ID: 108161

UniProt ID: [Q9WTJ8](#)

Cytogenetics: 13 A3.3

Product images:



Circular map for MG214038