

Product datasheet for **MG214584**

Fam78b (NM_175461) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Fam78b
Synonyms:	C030014K22Rik; C030020L09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214584 representing NM_175461
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGTATCCAAAGCATCACCTGCAAGGCGCGGATCCGGCGGAGAACATCGTGGTGTACGATGTGT
GCGCCACCATCGACCAGTGCCCCACGCGCATCGAGGAGACCTCGCCCATCGTCTGCGCTACAAGACCCC
TTACTTCAAAGCCTCGGCCCGTGTGGTTCATGCCCCCATCCCCGCCACGAGACCTGGTGGTGGGCTGG
ATCCAGGCATGCAACCAGATGGAGTTCTTCAACACCTACAGCGACCTGGGCATGTCAAGCTGGAACTGC
CTGACTTGAGGGAAGGAGAGTAAAAGCCATCAGTGACTCAGACGGGGTGAGCTACCCATGGTACGGGAA
CAGCAGAGACTGTGACCCTGGTTGGCCCCACCAACAAGATCTCCAGTTCTCCGTGAGCATGAATGAT
AACTTCTACCCAGCGTGACATGGGCAGTGCCAGTGAGTGACAGCAATGTCCACTGCTCACAAGGATCA
AGAGGGACCAAAGTTTTACCACATGGCTGGTGGCCATGAACACCACCACCAAGGAAAAGATCATACTGCA
GACCATCAAATGGAGGATGAGAGTGGACATTGAAAGTGGACCTCTTCAGCTGTTGGGGCAGCGGGCCCGG
CTAGTGGGCAGGACTCAGCAGGAGCAGCCCCGGATCCTGAGCCGGATGGAGCCCATCCCCCTAACGCAC
TAGTGAAGCCCAATGCCAACGATGCCCAGGTCCTCATGTGGAGGCCAAGCGGGGACCACCTCTGTTGT
GATACCTCCTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



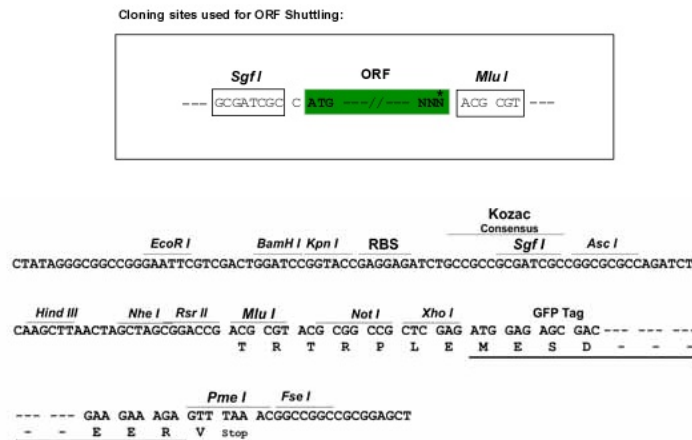
Protein Sequence: >MG214584 representing NM_175461
 Red=Cloning site Green=Tags(s)

MGCIQSITCKARIRRENIVVYDVCATIDQCPTRIEETSPIVLRYKTPYFKASARVVMPPIPRHETWVVGW
 IQACNQMEFFNTYSDLGMSSWELPDLREGRVKAISDSGVSYPWYGNTTETVTLVGPTNKISRFSVSMND
 NFYPSVTWAVPVSDSNVPLLTRIKRDQSF TTWL VAMNTTTKEKII LQTIKWRMRVDIEVDPLQLLGQRAR
 LVGRTQQEQPRILSRMEPIPNALVKPNANDAQVLMWRPKRGPPLVVIPPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175461

ORF Size: 783 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_175461.4](#), [NP_780670.2](#)

RefSeq Size: 4668 bp

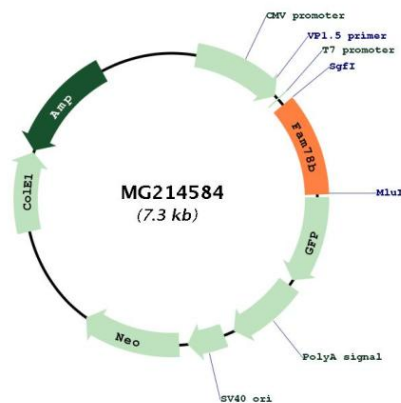
RefSeq ORF: 786 bp

Locus ID: 226610

UniProt ID: [Q8BQN5](#)

Cytogenetics: 1 H2.3

Product images:



Circular map for MG214584