

Product datasheet for **MR214039**

Fam78b (NM_001160261) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam78b
Synonyms:	C030014K22Rik; C030020L09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR214039 representing NM_001160261
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCTGTATCCAAAGCATCACCTGCAAGGCGCGGATCCGGCGCGAGAACATCGTGGTGTACGATGTGT
GCGCCACCATCGACCAGTGCCCCACGCGCATCGAGGAGACCTCGCCCATCGTCCTGCGCTACAAGACCCC
TTACTTCAAAGCCTCGGCCCGTGTGGTCATGCCCCCATCCCCGCCACGAGACCTGGTGGTGGGCTGG
ATCCAGGCATGCAACCAGATGGAGTTCTTCAACACCTACAGCGACCTGGGCATGTCAAGCTGGGAAGTGC
CTGACTTGAGGGAAGGAGAGTAAAAGCCATCAGTGACTCAGACGGGGTGAGCTACCCATGGTACGGGAA
CACGACAGAGACTGTGACCCTGGTTGGCCCCACCAACAAGATCTCCAGGTTCTCCGTCAGCATGAATGAT
AACTTCTACCCAGCGTGACATGGGCAGTGCCAGTGAGTGACAGCAATGTCCACTGCTCACAAGGATCA
AGAGGGACCAAAGTTTACCACATGGCTGGTGGCCATGAACACCACCACCAAGGAAAAGATCATACTGCA
GACCATCAAATGGAGGATGAGAGTGGACATTGAAGTGGACCTCTTCAGCTGTTGGGGCAGCGGGCCCGG
CTAGTGGGCAGGACTCAGCAGGAGCAGCCCCGGATCCTGAGCCGGATGGAGCCCATCCCCCTAACGCAC
TAGTGAAGCCCAATGCCAACGATGCCAGGTCCTCATGTGGAGGCCCAAGCGGGGACCACCTCTGGTTGT
GATACCTCCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR214039 representing NM_001160261

Red=Cloning site Green=Tags(s)

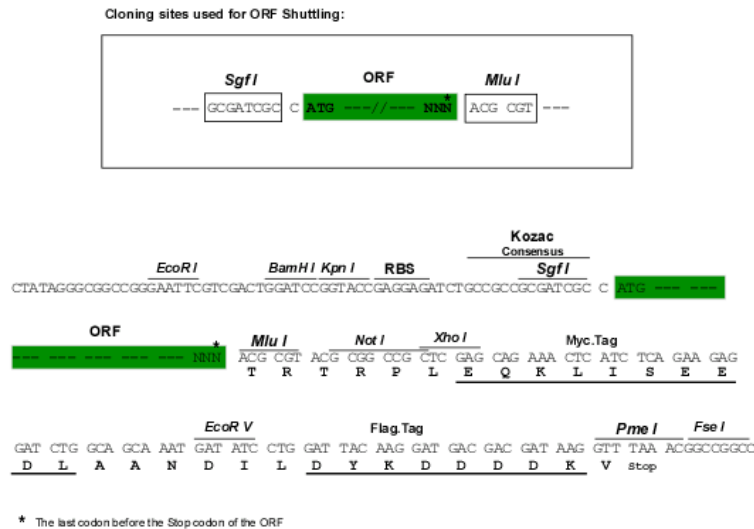
MGCIQSITCKARIRRENIVVYDVCATIDQCPTRIEETSPIVLRYKTPYFKASARVVMPPIPRHETWVVGW
IQACNQMEFFNTYSDLGMSSWELPDLREGRVKAISDSGVSYWPYGNTTETVTLVGPTNKISRFSVSMND
NFYPSVTWAVPVSDSNVPLL TRIKRDQSFTTWLVAMNTTTKEKIIQTIKWRMRVDIEVDPLQLLGQRAR
LVGRTQQEQPRILSRMEPIPPNALVKPNANDAQVLMWRPKRGPPLVVIPPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001160261

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_001160261.1](#), [NP_001153733.1](#)

RefSeq Size: 4666 bp

RefSeq ORF: 786 bp

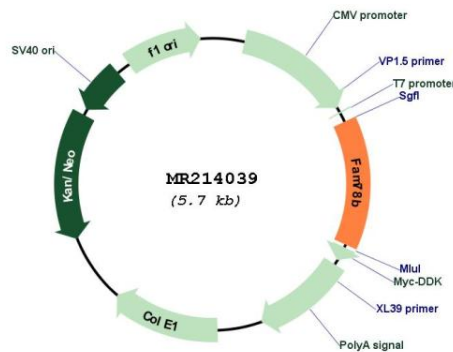
Locus ID: 226610

UniProt ID: [Q8BQN5](#)

Cytogenetics: 1 H2.3

MW: 29.8 kDa

Product images:



Circular map for MR214039