

Product datasheet for **MR202847**

Fam3b (NM_020622) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam3b (NM_020622) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam3b
Synonyms:	2-21; 9030624C24Rik; D16Jhu19e; ORF9; Pander
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202847 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTCCAGTTGCTACAGGCATCTTCAAGGCACTAGTGTTTATTTCTCCTCCCTGTGCGCCTGGTATT
CTGGGTACCTGCTCGCGGAGCTCATTCTGACGTGCCCTGTCCAGCACTCTCTACAACATCCGAAGCAT
TGGAGAGAGACCTGTTCTCAAAGCCCCAGCCCCAAAAGACAAAATGTGACCATTGGTCCCATGTCT
CCTGACACCTATGCCTACCGGTGCTCAGTGGTGGCCGCGACAAGTATGCCAAGATCTGCTTTGAGG
ATGAAGTGCTAATAGGAGAGAAGACGGGAATGTGGCAAGAGGGATAAACATTGCTGTCGTCAACTATGA
GACAGGAAAAGTGATAGCGACAAAGTACTTTGATATGTATGAAGGTGATAACTCCGGGCAATGGCCAAG
TTCATTACAGCACTCCTTCAAATCCCTGCTGTTTCATGGTGACTCATGATGATGGAAGTCCAAACTGA
AGGCTCAAGCAAAGGATGCCATAGAAGCCCTTGGAAAGCAAAGAAATCAAGAACATGAAGTTCAGATCAAG
CTGGGTGTTTGTGTCAGCAAAGGCTTTGAGCTCCCTTCAGAAATCGAGAGAGAAAAATCAACCACTCA
GATCAATCCAGGAACAGATATGCAGGCTGGCCAGCGGAGATCCAGATCGAAGGATGCATACCCAAAGGC
TGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202847 protein sequence
 Red=Cloning site Green=Tags(s)

MRPVATGIFKALVFIFSSLCAWYSGYLLAELIPDVPLSSTLYNIRSIGERPVLKAPAPKRQKCDHWSPCP
 PDTYAYRLLSGGGRDKYAKICFEDEVLIGKGTGNVARGINIAVVNYETGKVIATKYFDMYEGDNSGPMK
 FIQSTPSKSLLFMVTHDDGSSKKAQAQAKDAIEALGSKEIKNMKFRSSWVFAAKGFELPSEIEREKINHS
 DQSRNRYAGWPAEIQIEGCI PKGLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_020622

ORF Size: 708 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_020622.3](#)

RefSeq Size: 871 bp

RefSeq ORF: 708 bp

Locus ID: 52793

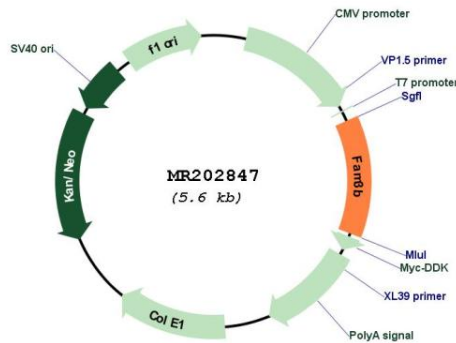
UniProt ID: [Q9D309](#)

Cytogenetics: 16 57.47 cM

MW: 26.2 kDa

Gene Summary: Induces apoptosis of alpha and beta cells in a dose- and time-dependent manner. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202847