

Product datasheet for **MC216902**

Fam221b (NM_175517) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam221b (NM_175517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam221b
Synonyms:	4930412F15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216902 representing NM_175517
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCAAATAAGACCACAGAAGGCCCTCAGGACACTCAGGATGCAAAGGAACAGCCTTCTTTAGAGG
 ACACCAACGCTGAAGACTTGTACGAGGCCACTACCCATGAAACTCCCTTACAGCCCTCCAGCTCACAGAA
 ACATTTCCAGCCTCCAGAAATCCATCTTGAAACACCTGCCTCCCTGAATCCCGACACCAAGGGCGCTGAG
 GGCCTCCAGGATCTTCTGTCTCTGGAACCTCCTGTAAAGTCCAGTCTTCTGGGCTTCTTCCCTAC
 CACCCCACTGTCTCTCAATCTGTGACCTCTCTAGAAAAGCCATCGCTGAGATTCTTTGGAGGAGTT
 TGGCTATGACAGTCTATCTCTAAAGTCAAAGAAGAACCTCTTCAGCTCTACCAACAGCCAATATCCCA
 GAGTATGGGAGTCCCATCTCTGAAGTCCAAAAGGAATCTCTTGAGGTCTACCAACAGCCAATATCCCAA
 AGTATGGGAGTCCCATCTCTGAAGTCCAAAAGAACCTCTTGAGGTCTCGTCAACAGCCAATATCCCAA
 GTATGAGAGTCCCGTCTCCGAAGTCCAAAAGAACCTCTTGAGGTCTACCAACAGCCAGTATCCCTGAG
 TCGTCCCATGAGCTTACCTCTGATAAAGTCCCACAGACCCAGGTCCCTGAATCTGAGCACTTTCCAAAGC
 ACTCCTTTTCAGAATACCAACCCAGGCCAAGGAGGACGAATCTACAAAGGAGGGGAAGCAGGGGAAGA
 TGAGCTGGCAGTGGGTACTAGTAAGATCCCTGCAGCCAAGCCTGGGCTTCGTGCAAGAAGAAGAAGGAG
 AAAAGAGCTGGTGGTGTACAAGCCGCCAGTGGTCCCTGCTAAGCGGGCAGAAGTGGTGGAAATGGCTA
 AGGCAGTGCACAGAGAGCAATTTGATGATCAGGTGAACAATCTTTCCAGTGGGAGAAGGATTCAACCT
 GAAGGCCATCCAGACAGGTATCTACATTGGCTGGCGCTGCCCGCATTATTTATGGGACTGTTCCGGATA
 GGAGATGAGTCCAAGTGCTTTTGTGGACATTTGTTGAGAGAACCAGATCATCTCAGATCTGTCAAGTGC
 CCTGCAGTGTGAGCCAGTGCAGGTGCCTCATGTTTTGTTTATCCCGTCACGCCCAGAGGAGGTGGGTGA
 GTTCTGGCTCAAGAAACGGGCCACCTTTGACCCCAAGGCCTGGAGGGCCCAATGTCGCTGTAAACACACT
 CACGAAGAACATGCAGCCACCGCGCTCATCCCTGCAGGCACCGTGGCTGTTTCTGCCCTCTTTTGTGAT
 CTAATTTCTCTGTGTGGCTGCGACCGCGCTGGGAAGAACATGAGACGTTCTTTGAGACTGGGGATAC
 CAGGCGAAAAGGAAGAGACCTTATGGAGCAAACAACATCAAGAAGTGGCACAGGACTTAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_175517
- Insert Size:** 1464 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:	<u>NM_175517.3, NP_780726.1</u>
RefSeq Size:	1763 bp
RefSeq ORF:	1464 bp
Locus ID:	242408
UniProt ID:	<u>Q8C627</u>
Cytogenetics:	4 A5