

Product datasheet for **RN208514**

Fam221b (NM_001013934) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam221b (NM_001013934) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fam221b
Synonyms:	RGD1310425
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208514 representing NM_001013934
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGACTTGAACCACCAGGCCTAAGCCCAGAGATGGAAGCAGATAAGACCTCAGAAGGCCCTCCGGCCA
 CTCAGGATGCAAAGAAACACCTTCTTTAACAGTCCCCCATGCTGAAGACTTGCCTGAGGCCACTACCCC
 TGAAAGTCCCCCGCACCTTTTGAGCTCACAGGAGTATTTCCAGCCTCCAAAAGTCCACTCTAAAACATAT
 CCTTCCCTCGATCTTGGACCAAGGACTCTGAGGACCTCCAGGATCCTTCTGTCTCTGAAACGCCTTTAA
 AGTTGGATACTGCCAATCTTCTTCCACACCATCTCAATCGTCTGCCAGTCTGTGATCTCCCTAGAAAG
 AGCCATCTCTAAGATCCCTTTGGATGATTTATCTATGAGAATTCTATCTCTGAAGTCCAAGAAGAACCT
 CTTCCGCTCTACCAACCACCGATATCTAAGTATGAGTATCCTATCTCCGACGTCCAAGAAGAACCTC
 TTCTGCTCTACCAACCACCAATATCTAAGTATGAGGATTCTATCTCCGACGTCCAAGAAGAACCTCT
 TGAGGACACACCAACAGCCGATATCTCTGAGACTGAGTATTCTATCTCCGACGTCCAAGAAGAACCTCT
 GAGCCCCACCAACAGCCGATATCCCTGAGAGTGAGGATTATATCTCCGATGACCACGAAGAAGAACCTCTG
 AGCCCCACCAACAGCTGATATCCCTGAGTCTCTCTATGAGTTTATCTCTGATAAAGTCCCACAGACCCA
 GGTCCCTGAATCTGAGCCCTTTCCAAAGCACTCCGTTCCAGAACCTTCCGCCAAGCCAAGGAGGCCGCA
 TCTGCAGACGAAGAGGAAGCAGAGGAAGAAGAGCTGACAGGGGGCACTAGTAAGACTGCTGCGGCCGGAT
 CTGAGCATCATGCGAGGAAGAAGAAGGAGAAAAGAGGTTGTGAAAGCCGCCAGTGGTCCCTGCTAAGCG
 GGCAGAGCTGGTGAAATGGCTAAGGCAATGCACAGAAAGCAGTTTGATGATCAGGTGAACGATCTTTTC
 CAATGGGAGAAGAATTCATCCCTGAAGGCCATCCAGACAGGTATCTACATTGGCTGGCGCTGCCACATT
 ATTTATGGGACTGTTTCCGATAGGAGATGAGTCTAAGTGCTTTTGTGGACATTTGTTGAAGAACACCA
 GATCATCTCAGATCTGTCCGTGCCCTGCAGTGTAAAGCCAGTGCAGGTGCCTCATGTTTTGTTTCATCCCA
 TCACGCCCGGAGGAGGTGGTGAGTTCTGGCTCAAGAAACGAGCCACCTTCGACCCCAAGGCCTGGAGGG
 CCCAATGTCGCTGTAAACACACTCATGAAGAGCACGCAGCCACTGGATCTCATCCCTGCAGGCACCGTGG
 CTGTTACTGCAACTCCTTTGAGTCTAATTTCTCTGTGCGGCTTGCGACCGGCGCTGGGAGGAGCACGAA
 ACTTTCTTTGAGACTGAGGAGACCAAGCGAAGAGGAAAAAGACCTTATGGGACAAACACTGCCAAGAACC
 GGCACAGGCCCTT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001013934

Insert Size: 1557 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.

RefSeq: NM_001013934.2, NP_001013956.2

RefSeq Size: 1795 bp

RefSeq ORF: 1557 bp

Locus ID: 298398

UniProt ID: Q66HD8

Cytogenetics: 5q22