

## Product datasheet for **RN211821**

### **Mb21d2 (NM\_001109056) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mb21d2 (NM_001109056) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mb21d2
Synonyms:	RGD1559643
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211821 representing NM\_001109056  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAGATGGCGCTCCCACCGCCAGCAAGGCAGCCTCCATGGGCTGCAACAACAAGCCTGCCTTCCCGG  
AGCTGGATTTTCAGGTCTGGAGCTCGGGTGGAGGAAGTGAACAAACTCATCCAGGAATTCACCAGGCACGA  
CCAGCGGAATACGACGACCAGAGAGCGCTGGAGATCCCACTGCCAAGGATTTTCATCTTTTCCATGCTG  
GGAATGGTGCAAAAGCTCGATCAAAAACCCCCGTGGCGAACGAGTATCTGCTGCTCTGGAGGGGTCC  
GAGAAGCGTGGTGGACCTGGACCTAGATGAGTTAAACGTCTATGCCCGGGGCACTGATTACGACATGGA  
CTTCACCCCTTCTGGTGCCGGCCCTTAAGCTGCATGACCGTAACCAGCCTGTGACCTCGACATGCCCCAC  
TCAGCCTGTGCCACTCCTGGCTGAGCCTCCGGCTCTTTGACGAGGGGACAATCAGTAAGTGAAAGACT  
GCTGCACCATCGCCGATCACATCAACGGGGCCACCAACTACTTCTCTCCCACCAAAGTGCCGACTG  
GTTCTACGACTCCATCAGCATCGTCCTCTCCGAGATACAGAAGAAACCCAGAGGGGGATGCCAAAGGTG  
GAAAAGGTAGAGAAGAACGGGACCATCATCTCCATCATCTGGGTGTGGGAGCAGCCGATGCTGTACG  
ACATCGTCCCAGTGGTGTCTTCAAAGGCTGGCCCGGGTGGCTCAGAGCTGGCTCATGGAGAACCCTT  
CTGGGATGGGAAGATCACCGAGGAGGAGGTATCAGCGGCTTCTACTTGGTGCCGGCTTGCTCCTATAAG  
GGCAAGAAGGACAACGAGTGGCGACTGTCTTCGCCAGGAGCGAGGTGCAGCTGAAGAAGTGCATTTCCG  
GCAGTCTCATGCAGGCCACCAAGCCTGCAAAGCCATCATCATCAAACCTCTGTCAAGGCCCAAGGCTAT  
CAGCCCTATCACCTGAGGAGCATGATGCTCTGGGCTGTGACCGGCTCCCGTCAGCTACCTGGCTCAA  
GAAGACTATGCAGCCACTTTTTGCTGGCCTCATTGACGACCTGCAGCACTGCCTGGTCAACAAGATG  
GCCCTAACTATTCATCCCTCAGTGCAACATGCTGGAGCACCTGTGGAGGAGACCGTCACTGCTCCACGC  
CCGGAAGCTGTCTCCGTCGGCTCCGATCCTGCAGAGCATCTGCGCACCGCCATCGAGCACGTGAAGGCG  
GCCAATCGGCTGACGCTGAAGCTCCAGCGTCCGGGCGAGCACCACCAGCATCCCCTCCCCGAGTCCGACG  
GAGGGGACCCCAATCAGCCCGATGACCGTCTGGCAAAAAAAGTGCAGCAGCTAGTAACTGAGAATCCAGG  
GAAATCCATCTCGGTCTTTATTAACCCCGATGACGTCACGAGGCCCATTTTCAAGATCGATGATAAATTT  
TTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001109056

**Insert Size:** 1476 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\\_001109056.2](#), [NP\\_001102526.2](#)

**RefSeq Size:** 3071 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 498100

**Cytogenetics:** 11q22