

Product datasheet for **RN205470**

Rbm20 (NM_001107611) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm20 (NM_001107611) Rat Untagged Clone
Tag: Tag Free
Symbol: Rbm20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205470 representing NM_001107611
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCTGGCTGCAGCCATGAGCCAAGACCGGGATCCCAGCGGTCCGGAGCAACCCGACAGAGATGCCT
 GCATTGTGCCTGGTGTCAAGGGCCCCCTGCGCCCAAGGCCAGGAGGATGCAGCCCCGCGCCACC
 GCTACCGCCACCGCCTCAGCCTCAATCCAGCCTGCCCCAGATCATCCAAAATGCTGCCAAGCTCCTGGAC
 AAGAACCCTTTCTCCGTCAGTAGCCAGAACCCTCTGCTCACTTCGCCAGCCAGCGTCCAGCTGGCCAGA
 TACAGGCCAGCTCACCTCCATCGGCTGAAGATGGCACAGACCGCAGTACCAACAACACTGCAGCCGC
 CACTGTCTCAACCAAGTCTCTCAAAGTGGCCATGTCCAGCCTCTCTTCAACCAGCTTCGCCATCCG
 TCTGTGCTTGGCACCACATGGCCCTACTGGGTCTCCAGCATGCTGCCACCGTTCCAGTGCTCACT
 TTCCCTCAACTGCAATCGCCTTTTCGCCCCAAGCCAGGAGGAGGCCGGGGCCTTCTGTGAGCCTCCC
 CAGCCAGCCCCCAATGCTATGGTAGTGCATACCTTCAGTGGGTGGTGCCTCAGACCCCTGCCAGCCA
 GCAGTCATCCTAAGCATTGGGAAGCGGGGCCACACCTGCTACTACAGGTTCTATGACTATGGCAAAG
 CCAACCCTGGCCAGGCCTATGGTTCTGAAACGGAGGGCCAGCCGGGCTTCTTGCCAGCCTCGGCCTCAGC
 CGCAGCATCAGGCGGTGTGACCTATGAAGGACACTATAGCCACACAGGGCAGGATGGCCAAGCCACCTTT
 TCTAAAGACTTCTATGGACCCAGTGCCCAAGGGTCACATGCAGCAGGTGGGTTCCAGCTGATCAGGCTG
 GGAGCATGAAAGGAGACGTCGGTGGGTTGTTGCAAGGTACCAACAGCCAGTGGGAGAGGCCCTCTGGGTT
 CTCTGGCCAGAACAAGGCCGATATTACAGCCGGGCCCCGGTTTGTGGGCTCCACCTGCCAGTCAGCCTTAT
 GAACTATATGATCCTGAGGAGCCTACCTCAGACAGGGCCCCTCCTGCCTTTGGATCTCGACTTAAACA
 GCAAGCAGGGATTCAACTGCTCCTGCCGGCGACAAGGAGGGGAGGCCATGCTGTCCGTGAGGCCCT
 GCAGGGTCATCAACTGAATGACTCCGAGGCTTGGCTCCACTCCACCTCCACATATCTGCAGCATCTGT
 GACAAGAAGGTGTTTACCTGAAGGACTGGGAGTACATGTGAAGGGGAAGTTGCATGCCAGAAATGCC
 TGCTCTTCTCAGAAAGTGTGGCCTCCGGAGTATATGTGCTACAGGAGAAGGGACGCTGTCTGCCTCTGC
 AAACAGCACAGCTGTTTATAACCCCACTGGAAATGAGGATTATACCTCAACTCTTGAACATCATATGCA
 GCCATTCCAACAAGGCCCTTTGCTCAATCAAACCCCATGTTTCTTCCGCTTCTCTGGGACAAATTTTG
 CACAGAGGAAAGGTGCTGGACGAGTTGTGCACATCTGCAATCTCCAGAGGGCAGCTGCACGGAGAATGA
 CGTCATCAACCTGGGGTGCCTTTGGCAAGGTCACTAATTACATCCTTATGAAGTCAACTAATCAGGCT



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TTCTTGGAGATGGCTTACACAGAAGCTGCTCAAGCTATGGTCCAGTACTACCAAGAAAAGCCCGCGCTTA
 TCAATGGCGAGAAGTTACTCATTCCGGATGTCCACGAGATACAAGGAATTGCAGCTGAAGAAACCTGGGAA
 AAATGTGGCTGCTATCATCCAGGACATCCACTCCCAAAGGGAGAGGTGCATGCTCCGGGAAGCTGACAGA
 TATGGTCCAGAGCGACCAGTTCTCGAAGTCCAATGAGCCGATCGCTCTCCCCGAGATCCACAGTCCTC
 CTGGCCCCCTCTCGGGCTGATTGGGGCAATGGCCGTGACTCCTACGCATGGAGGGACGAGGATCGGGAGAC
 GGTGCCAGGAGGAGAACGGGAAGACAAGAGGGACAGGTTGGATGTTTGGGCACATGACCGGAAAACAC
 TATCCCAGGCAGCTGGACAAAGCCGAGTTGGATGAGCGACTCGAAGGAGGGAGGGGCTACCGGAAAAGAT
 ACTTGAAGTCAGGGTCCCCGGCCCACTCCATTCTGCGTCTGGCTACAAAGGCCGGGAAGATGGCTACCA
 TCGAAAAGAGACTAAAGCTAAGTTGGACAAACACCCAAAGCAGCAGCAGCAGGATGTGCCAGGAAGATCC
 AGGAGGAAAGAAGAGGCGCGACTACGGGAGCCAGACACCCTCACCCAGAGGACTCTGGCAAGGAAGAGG
 ATCTGGAGCCCAAGGTCCTCGGGCCCCGAGGGTACCAAGTCCAAGCAAAGTGAGAAAAGTAAAACCAA
 GAGAGCCGACAGAGACCAAGAAGGAGCTGATGACAAAAAAGAAGGCCGAGGGGCAGAGAATGAGGCTGGG
 ACTGAGGAACAGGAAGGCATGGAAGAGAGCCCCGCATCGGTGGGCACACAGCAGGAAGGGACGGAGTCTC
 CCGATCCAGAAAACACAAGGACAAGAAGGGACAAGACTGTGACAGTGGAAAGTGGCCTGAGGGGGACAA
 CTGGTACCCACCAACATGGAGGAGCTGGTCACAGTGGACGAAGTAGGGGAGGAAGACTTCATCATGGAG
 CCAGACATACCGAGCTGGAAGAAATTGTACCCATCGACCAGAAAAGACAAAATCCTCCCCGAAATATGTC
 CCTGTGTAACAGCCACCTTAGGTTTGGACTTGGCCAAAGACTTCACCAAGCAGGGAGAGACCCTAGGGAA
 CGGAGACGCAGAACTCAGCCCGAAGCTGCCCGACAAGTGCCGTCTACTCCACAAGCTGTCCCAATGAC
 ACGGACATGGAGATGGCTGGCCTAAATCTGGATGCTGAGCGGAAGCCAGCTGAAAGCGAGACAGGCCCTC
 CACCGGAGGTCTCAAATTGCTACGAGAAGGAGGCGAGAGGAGCGGAGGGCTCAGATGTGCGTCTGGCCCC
 TGCAGCCCAGCGAATGTCCTCCCTCAGCCAGCAGATGAGAGGGCCCGGCAGTCCAGCCCTTTTCTCGAT
 GACTGCAAGGCCAGGGGGTCCCCAGAAGATGGCCCTCATGAAGTCAGCCCTGGAAGAAAAGCCAGCC
 CCACTACTGAAAGCGACCTCAAAGCCAGGCTTGCCAAGAAAACCTCCAGTACACGGAGACGAGTCTCT
 GAACTCGAGATACCAGAATTCACCGAAGCGGAGCTGAAAGAGCCCTTTCTTTTGCTTCCCTGGGAACCA
 GAGGTGTTCAAGTGAACCTAGCATTCTCTAGGAGTGGAGTTCGTGGTTCCAGGACTGGCTTTTACTGCA
 AGCTGTGTGGCCTGTTCTACACAAGCGAGGAGGCGCCAAAGTGAGCCACTGCCGCACTGTACTACTA
 CAGGAACTTACAGAAGTACCTGTCCAGCTGGCAGAGGAGGGACTGAAGGAGACAGAGGGGTAGACAGC
 CCAAGCCCCGAGCGCAGCGGGATTGGTCCACACTTGAAAGGAAGAAGCTATGA

ACGGCTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001107611
- Insert Size:** 3624 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_001107611.2](#), [NP_001101081.2](#)

RefSeq Size: 6682 bp

RefSeq ORF: 3624 bp

Locus ID: 309544

UniProt ID: [E9PT37](#)

Cytogenetics: 1q55

Gene Summary: RNA-binding protein that acts as a regulator of mRNA splicing of a subset of genes involved in cardiac development. Regulates splicing of TTN (Titin).[UniProtKB/Swiss-Prot Function]