

Product datasheet for **RR205470**

Rbm20 (NM_001107611) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm20 (NM_001107611) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbm20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205470 representing NM_001107611
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGTGCTGGCTGCAGCCATGAGCCAAGACCGGGATCCCAGCGGTCCGGAGCAACCCGACAGAGATGCCT
 GCATTGTGCCTGGTGTCAAGGGCCCCCTGCGCCCAAGGCCAGCAAGGGATGCAGCCCCCTGCCGCCACC
 GCTACCGCCACCGCCTCAGCCTCAATCCAGCCTGCCCCAGATCATCCAAAATGCTGCCAAGCTCCTGGAC
 AAGAACCCTTTCTCCGTCAGTAGCCAGAACCCTCTGCTCACTTCGCCAGCCAGCGTCCAGCTGGCCAGA
 TACAGGCCAGCTCACCTCCATCGGCTGAAGATGGCACAGACCGCAGTACCAACAACACTGCAGCCGC
 CACTGTCTCAACCAAGTCTCTCAAAGTGGCCATGTCCAGCCTCTTTCAACCAGCTTCGCCATCCG
 TCTGTGCTTGGCACCACATGGCCCTACTGGGTCTCCAGCATGCTGCCACCGTTCCAGTGCTCACT
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TTCTTGGAGATGGCTTACACAGAAGCTGCTCAAGCTATGGTCCAGTACTACCAAGAAAAGCCCGCGCTTA
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ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence: >RR205470 representing NM_001107611
 Red=Cloning site Green=Tags(s)

MVLAAMSDADPSGPEQPDRDACIVPGVQGGPAPQGQQGMQPLPPPLPPPQPQSSLPQIIQNAAKLLD
 KNPFVSSQNPLLTSPASVQLAQIQAQLTLHRLKMAQTAVTNNTAAATVLNQVLKVVMSQPLFNQLRHP
 SVLGTTHGPTGVSQHAATVPSAHPSTAIASFSPSSQAGGPGPSVSLPSQPPNAMVVHTFSGVVPQTPAQ
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 ELYDPEEPTSDRAPPAFGSRLLNNSKQGFNCSCRRTKEGQAML SVRPLQGHQLNDFRGLAPLHLPHIC
 DKYVFDLKDVELHVKGKLAHQKLLFSESAGLRSICATGEGTLSASANSTAVYNPTGNEDYTSTLGTSYA
 AIPTRAFQSNMFPSSASGTNFAQRKGAGRVVHICNLPEGSCTENDVINLGLPFGKVTNYILMKSTNQA
 FLEMAYTEAAQAMVQYYQEKPAL INGEKLLIRMSTRYKELQLKKPGKNVAAIIQDIHSQRERCMLREADR
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 TEEQEGMEE SPASVGTQQEGTESDPENTRTKKGQDCDSGSEPEGDNWYPTNMEELVTVDEVGEEDEFIME
 PDIPPELEEIVPIDQDKILPEICPCVTATLGLDLAKDFTKQGETLNGDAELSPKLPQVPSTSTSCPND
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 DCKARGSPEDGPHVEVSPLEEKASPTTESDLQSACQENSRYTETRSLNSRSPFEAELEKPLSPSWEP
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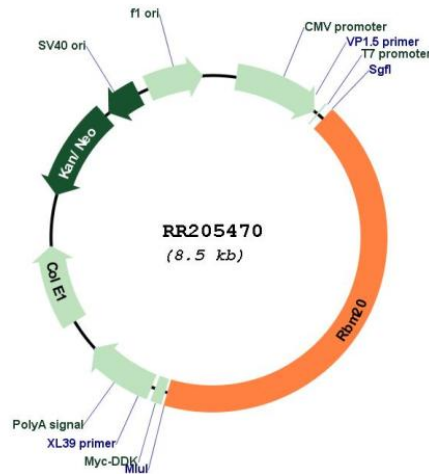
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107611

ORF Size: 3621 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_001107611.2](#), [NP_001101081.2](#)

RefSeq Size: 6682 bp

RefSeq ORF: 3624 bp

Locus ID: 309544

UniProt ID: [E9PT37](#)

Cytogenetics: 1q55

MW: 130.8 kDa

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]