

## Product datasheet for **RN201838**

### **Rbm22 (NM\_001025676) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbm22 (NM\_001025676) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rbm22  
**Synonyms:** MGC116134  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN201838 representing NM\_001025676  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACTTCTCTGGGTTCCAACACTTACAACAGGCAGAACTGGGAGGACGCGGACTTCCCCATTCTGT  
 GTCAGACGTGTCTTGGAGAAAACCCCTTATATACGAATGACCAAAGAAAAATATGGAAAAGAAATGCAAAAT  
 CTGTGCCAGGCCATTACAGTATTTTCGATGGTGCCTGGGGTCCGCATGCGCTTCAAGAAGACTGAAGTG  
 TGCCAGACCTGCAGTAAATTGAAGAATGTTTGTACAGACCTGCCTGTTAGACCTAGAGTACGGCCTACCCA  
 TCCAGGTCCGTGATGCAGGGTTATCATTAAAGATGACATGCCTAAATCAGATGTCAATAAAGAATATTA  
 CACCCAAAATATGGAAAGAGAAATTTCTAACTCTGATGGAACACGGCCAGTCGGAATGCTGGGAAAAGCA  
 ACATCCACTAGTGACATGCTACTCAAATGGCCCGGACCACACCTTACTACAAAAGGAATCGGCCCCACA  
 TTTGTTCTTCTGGGTGAAAGGAGAGTGTAAAGAGGGGAGAGGAGTGTCCCTACAGACATGAGAAGCCTAC  
 CGATCCAGATGACCCCTTGTCTGATCAGAATATAAAGACCGGTACTATGGAATTAACGACCCTGTGGCT  
 GATAAGCTTCTCAAGCGGGCTTCAACCATGCCTCGTCTTGACCCACGGAGGATAAGACGATCACCACAC  
 TGTATGTGGGTGGTCTGGGAGACACCATCACTGAAACAGACCTCAGGAATCATTTCTACCAAGTTCGGAGA  
 GATTTCGCACAGTCACTGTTGTGCAGAGGCAGCAGTGTGCCTTCATCCAGTTCGCCACCAGGCAAGCTGCC  
 GAGGTGGCTGCCGAGAAGTCTTTCAACAAGCTGATTGTGAACGGCCGACGACTCAATGTCAAATGGGGAC  
 GATCCCAAGCAGCCAGAGGAAAAGAAAAGAGAAGGATGGAACACAGACTCTGGGATCAAGTTAGAACC  
 TGTACCAGGACTGCCTGGAGCTCTGCCTCCACCTCCTGCCGAGAAGAGGAAGCGTCTGCCAACTACTTC  
 AACCTGCCCCCAAGTGGGCTCCAGCCGTAGTGAACATTGCCCTGCCCCACCCCTGGGATCGCCCCAC  
 CCCCACCCCAAGTGGGCTCCAGCCGTAGTGAACATTGCCCTGCCCCACCCCTGGGATCGCCCCAC  
 CCCCACCCCAAGTGGGCTCCAGCCGTAGTGAACATTGCCCTGCCCCACCCCTGGGATCGCCCCAC  
 AGGACCAATCCACTACCCGTCTCAGGACCTCAGAGAATGGGAGCTCATGCTGAAAAGCACAGCAGCCCC  
 TAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001025676
<b>Insert Size:</b>	1263 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001025676.1</a></u> , <u><a href="#">NP_001020847.1</a></u>
<b>RefSeq Size:</b>	1725 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	307410
<b>UniProt ID:</b>	<u><a href="#">Q4V7D7</a></u>
<b>Cytogenetics:</b>	18q12.1
<b>Gene Summary:</b>	Required for pre-mRNA splicing as component of the activated spliceosome. Involved in the first step of pre-mRNA splicing. Binds directly to the internal stem-loop (ISL) domain of the U6 snRNA and to the pre-mRNA intron near the 5' splice site during the activation and catalytic phases of the spliceosome cycle. Involved in both translocations of the nuclear SLU7 to the cytoplasm and the cytosolic calcium-binding protein PDCD6 to the nucleus upon cellular stress responses.[UniProtKB/Swiss-Prot Function]