

## Product datasheet for **MC222005**

### **Rbm25 (NM\_027349) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbm25 (NM_027349) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbm25
Synonyms:	2600011C06Rik; 2610015J01Rik; A130095G20Rik; A1159652; AL023075; AU043498; RNPC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222005 representing NM\_027349  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTTTCCCCCTCATTGAATCGCCCTCCCATGGGAATCCCAGCTCTCCCTCCAGGGATCCCACCCC  
 CACAGTTTCTGGCTTCTCCACCAGTACCTCCAGGGACACCGATGATTCTGTACCAATGAGTATTAT  
 GGCTCCTGCTCCAACGTCTAGTACCTACCGTGTCCATGGTTGAAAAGCATTGGGAGCCAGAAAAGGAT  
 CATCCAGGCTTAAAATAAAAGAAAATGATGAAAATTGTGGCCCTACTACTACAGTTTTTGTTGGGAACA  
 TTTCTGAGAAGGCTTCAGACATGCTTACGACAGCTCTAGCTAAATGTGGTTGGTGTGAGCTGGAA  
 GAGAGTCAAGGTGCTTCTGGGAACTCAAGCTTTGGATTTGTGAGTATAAGAGCCTGAATCTACC  
 CTCGGTCTCAGATTATGCATGACCTCAGATTGGAGAGAAGAAGCTACTTGTAAAGTTGATGCCA  
 AGACAAAGGCACAGTTGGATGAATGAAAGCAAAGAAGAAAGCTAATGGGAACGCCAGACCAGAACTGT  
 CACTAATGATGATGAAGAAGCCTTAGATGAAGAAACAAAGCGAAGAGACCAGATGATTAAGGGGCCATT  
 GAAGTTTTAATCCGAGAATATCCAGTGAATAAATGCCCCCTCACAGGAGTCTGACTCTACCCAGAA  
 AGAAGAAAAGGAAAAGAAGGAGGACATTTCCGTAGATTTCCAGTGGCCCCATTGATCCCTTACCCACT  
 CATCACCAGGAGGATATAAATGCTATTGAAATGGAAGAAGACAAAAGAGATTTGATATCCCGAGAGATC  
 AGCAAAATTCAGAGATACACACAAGAACTGGAAGAAGAGAAAAGGCAAAAAGAAAAGAAAAGACAGGAAA  
 TTGAGAAAAGAACGGAGAGAAAAGAGAGAGGGAACTGAAAGGGAACGAGAAAAGGCGAGAACGGGAACGAGA  
 AAGGAAAAGAGAACGTGAACGAGAAAAGGAAAAGAACGGGAGCGGGAACGAGAACGGGATAGGGATCGT  
 GACCGCACAAAAGAGAGAGACCGAGATCGAGAGAGAGATCGGGACCGAGATCGAGAACGGAGCTCAGATC  
 GAAATAAGGATCGGAGTCGATCAAGAGAAAAAGCAGAGATCGTGAAGGGAACGGGAGGAGGAAAGAGA  
 GAGAGAACGAGAACGGGAACGAGAACGAGAGAGAGAACGGGAGAGAGAACGGGAACGGGAACGGGAAGA  
 GAGAAAAGACAAGAAAAGAGACAGAGAAGAGGATGAAGAAGATGCATATGAACGAAGAAAACCGAACGAA  
 AACTGCGAGAGAAAAGAGGCTGCTTATCAAGAGCGCCTTAAGAATTGGGAAATCAGAGAACGAAAAGAAAAC  
 TAGGGAATATGAGAAGGAGGCAGAAAAGAGAAGAAGAAGAAGAAGAGAAAATGGCTAAGGAGGCTAAACGA  
 CTAAGAAGAAATTCCTAGAAGATTATGATGATGATAGAGATGACCCGAAGTACTACAGGGGTAGTGCTCTTC  
 AGAAACGGTTGCGTGATAGGAAAAGAAAATGGAAGCTGATGAACGAGACAGGAAGAGAGAGAAGGAAGA  
 GCTTGAGGAAATCAGGCAGCGCTTACTGGCAGAAGGGCATCCAGATCCAGATGCAGAGCTCCAGAGGATG  
 GAACAAGAGGCTGAGAGGCGCAGCAACCTCAAATAAAGCAAGAACCAGAATCCGAGGAAGAAGAAGAAG  
 AAAAGCAAGAAAAGAAGAAAACGAGAGGAGCCTGTGGAAGAGGAGGAAGAACCAGAGCAAAAGCCTTG  
 TCTCAAGCCGACTTTGAGACCCATCAGCTCTGCCCATCTGTGTCTCTGCCAGTGGCAACGCAACCCCC  
 AACACTCTGGGGATGAGTCTCCTTGTGGTATTATTTCCTCATGAAAACCTACCAGATCAACAGCAGC  
 CTGAGGAGCATAGGCCAAAATAGGACTAAGCCTTAAATTTGGGTGCTTCCAATAGTCTGGCCAACCTAA  
 TTCAGTGAAGAGAAAAGAACTACCTGTAGATAGTGTCTTAAACAATTCGAGGATGAGGACAGTGATGAT  
 GTGCCCGAAAAGGAACTCGTTCCCTGGATTATGGCGAAGATGATAAAAATGCCACCAAAAGGCACTG  
 TAAACTGAAGAAAAGCGCAACACATTAAGAGTCTCATTGAGAAAATCCCACAGCCAAACCTGAGCT  
 CTTTGCTTATCCTTTGGATTGGTCTATTGTGGATTCTATACTGATGGAACGAAGAATCCGGCCATGGATC  
 AATAAGAAAATCATCGAATACATAGGTGAAGAAGAAGCTACATTAGTTGATTTTGTGCTTAAGGTTA  
 TGGCACAATAGTTCACCACAGAGCATTTTATAGATGATGTTGCCATGGTACTAGATGAAGAAGCAGAAGTTT  
 TATAGTCAAAATGTGGAGATTATTGATATATGAAACAGAAGCCAAGAAAATTGGCCTTGTGAAGTAA

**ACGGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_027349  
**Insert Size:** 2517 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>	<a href="#">NM_027349.3</a> , <a href="#">NP_081625.3</a>
<b>RefSeq Size:</b>	4244 bp
<b>RefSeq ORF:</b>	2517 bp
<b>Locus ID:</b>	67039
<b>UniProt ID:</b>	<a href="#">B2RY56</a>
<b>Cytogenetics:</b>	12 D1
<b>Gene Summary:</b>	RNA-binding protein that acts as a regulator of alternative pre-mRNA splicing. Involved in apoptotic cell death through the regulation of the apoptotic factor BCL2L1 isoform expression. Modulates the ratio of proapoptotic BCL2L1 isoform S to antiapoptotic BCL2L1 isoform L mRNA expression. When overexpressed, stimulates proapoptotic BCL2L1 isoform S 5'-splice site (5'-ss) selection, whereas its depletion caused the accumulation of antiapoptotic BCL2L1 isoform L. Promotes BCL2L1 isoform S 5'-ss usage through the 5'-CGGGCA-3' RNA sequence. Its association with LUC7L3 promotes U1 snRNP binding to a weak 5' ss in a 5'-CGGGCA-3'-dependent manner. Binds to the exonic splicing enhancer 5'-CGGGCA-3' RNA sequence located within exon 2 of the BCL2L1 pre-mRNA (By similarity).[UniProtKB/Swiss-Prot Function]