

## Product datasheet for **MC205665**

### **Rbmx (NM\_011252) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbmx (NM_011252) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbmx
Synonyms:	hnRNP G
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC003710  
 CCCACGCGTCCGGTTCGCCGGTAGTATAAAGATTGCAGTCTCCTTTGTTGCGCCCTCGTTGCGCAGTCGTC  
 CTAGCGTCATTTCTGTTCCGTTCTGAAAATCGGTAGCTGTCACTGGTGCGGCGCTGCTCGGGAGGTCGG  
 TCGGCGAGCTCAGAGGAGCTTGAGACCGTCGCAGTCCCCTCGGACCCCATCGGTTAAGAGGAAAAATGG  
 TTGAAGCAGATCGCCAGGAAAGCTCTTATTGGTGGGCTTAATACAGAGACGAATGAGAAAAGCCCTTGA  
 GGCAGTGTGGCAAATATGGACGAATAGTGAAGTCTTTTATGATGAAGGACCGAGAAACGAATAAGTCA  
 AGAGGATTCGCTTTTGTCACTTTTGAAGGCCAGCAGATGCAAAGGATGCTGCCAGAGACATGAATGGAA  
 AGTCCTTAGATGGGAAAGCCATCAAGGTGGAGCAAGCCACCAAACCATCATTTGAAAGTGGTAGACGTGG  
 ACTACCCCACTCCAAGAAGCAGAGGCCCTCCAGAGGTCTTCGAGGAGGAAGAGGAGGAAGTGGAGGA  
 ACCAGAGGACCCCTCCCGGGGAGGACACATGGATGATGGTGGCTACTCCATGAATTTTACCATGAGTT  
 CTTCCAGAGGACCTCTGCCAGTAAAACGAGGACCACCACCAGAAAGTGGAGGTCCTCCTCTAAAAGATC  
 AGCACCTTCTGGACCAGTTCGTAGCAGCAGTGGACTGGGAGGAAGAGCCCTGTGTCCCCTGGAAGAGAT  
 GGTACCGAGGCGCCACGAAGGGAGCCCTGCCTTCTCGAAGAGATGTTTATTGTCCCCGAGAGATG  
 ATGGATATCCACTAAAGACAGTATTCAAGCAGAGAATATCCAAGTTCGAGATACACGAGATTATGC  
 ACCACCACCAAGAGATTACTTACCGTATTATGGTCATTCCAGTTCACGAGATGACTATCCATCAAGA  
 GGCTATAGTGATAGAGATGGCTATGGTCGGGATCGGGACTATTAGATCATCCAAGTGGAGGTTCCCTACA  
 GAGATTCGTATGAGAGTTATGGTAACTCACGTAGTCTCCACCTACACGAGGGCCCCCGCATCTTATGG  
 TGAAGCAGTCGCTATGATGATTACAGCAGCTCACGTGACGGATATGGTGAAGTCGAGACAGTTACTCA  
 AGCAGCCGAAGTATCTACTCAAGTGGTCGTGATCGCGTGGGAGACAAGAAAGAGGGCTTCCCCTT  
 CTATGAAAGGGGGTACCCTCCTCCACGTGATTCTACAGCAGTCAAGCCGGGAGCACCAGAGGTGG  
 TGGCCGTGGAGGAAGCCGATCTGATAGAGGGGGAGGCAGAAGCAGATACTAGGAACAAACAAAATTTTG  
 GACCAAAAAATCCCATCAAGCAACAAACAAAAGTGGAACTTTCTGTCAAACTACCAAGGACT  
 ACTAAAAGGAAAAATTTGTTACCTTTTTAAAATTTCTGTTCCCTTTTAAATAATTTTATGTTCTTGTG  
 AGGGAAAAAGTAAGACGTGTTTAAATTTTATTTGCTAGTATGAGCTGTTTCAACAAGCAAATGGTAGATG  
 TGTGAGCCTTGACTTGTCTTAGTGTGTAATTTTCCAAGTGAAGTGTCCCTGAAGGCCAGCCACTTCC  
 TGATTTTTTCCCGAGTAAATGAGGCAAGCAACCCCAAGATCATCCAAACTTCCAGCCATCTAGATGG  
 CCTCTGGTCTCCACTGAGAGCTGAATCGCCCTGCCTGTGCAGACAAGCTAGCCATTAGAGAGGGTGGTT  
 GGGTGTGCTACTTTCAGTATTTCAAGGTGTCTTCCAAGTCAAATCTCAATCTTCGAGTATATATTTAA  
 AACCAACGAGCAAACCTGAGCTCCGATGCCTAGGATGACTGTTTACCCAGAAACCCCCAAAAAAGCAG  
 ATGGATACTGGCCATATTTGCTTTTTTACACTTCTTGGGAATCTACAAGAACCTCCCTTCCCCTCC  
 CCGAGTAAGACCTAAGACCATTTAAGTGTGTGTTAAACAACCTACAAAATACTCAATAAAAGTGTGGCCA  
 AAGTCAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_011252

**Insert Size:** 1176 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).

<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="#">BC003710</a> , <a href="#">AAH03710</a>
<b>RefSeq Size:</b>	2130 bp
<b>RefSeq ORF:</b>	1176 bp
<b>Locus ID:</b>	19655
<b>UniProt ID:</b>	<a href="#">Q9WV02</a>
<b>Cytogenetics:</b>	X A6
<b>Gene Summary:</b>	<p>RNA-binding protein that plays several role in the regulation of pre- and post-transcriptional processes. Implicated in tissue-specific regulation of gene transcription and alternative splicing of several pre-mRNAs. Binds to and stimulates transcription from the tumor suppressor TXNIP gene promoter; may thus be involved in tumor suppression. When associated with SAFB, binds to and stimulates transcription from the SREBF1 promoter. Associates with nascent mRNAs transcribed by RNA polymerase II. Component of the supraspliceosome complex that regulates pre-mRNA alternative splice site selection. Can either activate or suppress exon inclusion; acts additively with TRA2B to promote exon 7 inclusion of the survival motor neuron SMN2. Represses the splicing of MAPT/Tau exon 10. Binds preferentially to single-stranded 5'-CC[A/C]-rich RNA sequence motifs localized in a single-stranded conformation; probably binds RNA as a homodimer. Binds non-specifically to pre-mRNAs. Plays also a role in the cytoplasmic TNFR1 trafficking pathways; promotes both the IL-1-beta-mediated inducible proteolytic cleavage of TNFR1 ectodomains and the release of TNFR1 exosome-like vesicles to the extracellular compartment.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) is the more frequently occurring transcript. Variants 1 and 3 encode the same functional protein.</p>