

Product datasheet for **MC222435**

Rbm15b (NM_175402) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm15b (NM_175402) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbm15b
Synonyms:	1810017N16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222435 representing NM_175402
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCGGCAGAGCGAGCGAGACTCCAGCCCAGCGGGCGTGGCTCGTCATCGTCCGCCAAGCGGCCG
 GGGAGCGCGAACGAGAGGCGAGAGCGGGCGGGCGGGCAGCGCACAAAGGCCTCCGGCGGTACCAAGCA
 CCCGGTCCCGGCGCGGGCTCGCGACAAGCCCCGCGGCAGCGGCGAGGGCGGGCATCGCGACGGGCGC
 GCTGCCGGGGATGCGAATCACCGGGCGAGCGGGCGCTCCTCGGGCGCGCCGGAGGGCGGGGACGCA
 CCGGCAAGGCCTCCGGGACCGGGTGTGGCGGCGCTCGCCCCGCGCATCTCCACTCCCGCCGCCCC
 GCCGCCCCCGGGGCGGAACCCGCGGTCCGGGCTCCACCGGGTCCGGAGTACAAGACGCTCCTCATC
 AGCAGCCTGAGCCCCGCTGCCGGCGAGCACTTGGAGGACCGGCTCTCCACCAGTTC AAGCGGTTCCG
 GGGAGATCAGCCTGCGCCTGTACACACCCCGAGCTGGGCCGCTGGCCTACGTGAACCTCCGGCACCC
 ACAGGACGCGGGAGGCTCGCCAGCACGCTTGGCCCCGCGAGTGTCTGTCTACGATCGCCCGCTCAAG
 GTGGAGCCGGTGTACCTGCGCGGCGGGGAGCAGCCGGCGCAGTAGCAGCAGCAGCGCCCGCCCTCCA
 CGCCGCCCCCGGGCTCCCGCGCCCGCGACCCCTGGGCTATCTGCCCTGCACGGTGGTACCAGTA
 CAAGCAGCGCTCGCTGTCTCCGGTAGCCGCCCGCCCTGCGGGAGCCCCGCGCGGCACGCCCGCCGCA
 GCCTTCGCCCTGGATGCTGCTGCCGCGGCGGCCGTGGGACTGTCTCGAGAGCGAGCCCTGGACTATTACG
 GGCTGTACGACGACCGCGGCCCGCCGTACGGCTACCAGGCCGTGTGCGAGGAGGACCTGATGCCGGAGGA
 TGATCAGAGAGCCACTCGAACTCTTCATCGGCAACCTGGACCACAGTGTCTGAGGTGGAGCTTCGA
 CGGGCTTCGAGAAGTACGGCATCATCGAGGAGTGGTATCAAGAGGCCTGCCCGCGCCAGGGTGGT
 CCTATGCCTTCTCAAGTTTCAGAACTTGACATGGCACACAGGGCGAAGTGGTATGTCTGGCCGGG
 GATTGGCAGAAACCCATAAAGATAGGCTACGGCAAGGCTAACCCACCACCCGCTCTGGGTGGTGGT
 CTCGGACCTAACCTCGCTGGCGGCCCTGGCCAGGGAATTCGATCGCTTCGGGAGCATTGCGACCATCG
 ATCACGTCAAAGGAGACAGCTTTGCCTACATCCAGTACGAGAGCCTGGACGCAGCCAGGCTGCCTGTGC
 TAAAATGAGGGGCTTCCCTTGGGTGGTCCAGATCGCAGGCTCCGGTGGATTTTGCCAAAGCCGAGGAG
 ACTCGCTATCCCCAGCAGTACCAGCCCTCACCTCTCCCTGTGCACTATGAGCTGCTACTGACGGATATA
 CCCGGCATCGGAACCTGGATGCTGACCTTAGGGTGCGGGATAGGACCCCTCCACACCTTCTGTATTAGA
 CCGAGACCGGACCTTTTGGAAAGGGGACTGGACCAGCCTCAGTAAAAGTTCAGACCGCAGAAACAGCCTG
 GAGGGCTATAGCCGCTCAGTTCCGACCGGAGTGGTGGAGCCTGGGGGGTGGTGGGACCGGAGCATAG
 CCAAGCCCTGGGAAGAGAGACGCAAGCGGAGGAGCCTCTCCAGTACCGTGGGAGGACAACCTCACTCCCC
 TTACGAGGAACGAGCAGGACCAAGGGTGGGGGCGAGCAGTCTGAGCGAGGCTCAGATCGCACCCCTGAG
 CGTAGCCGCAAGGAGAACCCTCCAGTGAAGGGACCAAGGAGTACGGCAGCAACTCCCTCAGCAACAGCA
 GACATGGTGTGAGGAGAGGAGCCACCATCACCACCACATGAGGCTCCAGACTTCTCCATGGGAAAAA
 GACTAGAGAGAGTGAACGCAATCATCGGACCACTGAGGCAGAGCCCAAGACTCTTGAAGGCCAAAAAC
 GAGACCAAAAAGCTAAAGACTCTGTGAGAATATGCCAGACACTGCAGCTGGGTGGAATGGGCTTCTGG
 TGTTGAAAAACAGCTGCTTCCGACATCTATGCACATCCTTGAGGGGACCAGGGAGTTATCAGTGGCCT
 CCTCAAAGACCATCCTTCTGGCAGCAAGTGCACAGCTAAAGATTGCCAGCCCTTCGACTGGATCAG
 CCAAGCTGGACGAGGTACCCGCGCAATCAAGCAGGGGAGCCCTAATGGCTATGCTGTGCTCCTGGCCA
 TCCAGTCAACCCCGAGGGCCTGGCGCCGAGGGCATGCCCGTGGTGGAGCCAGGCTACAGAGGCGGCT
 TCTCAGGAACCTAGTCTCTACTTGAACAGAAGCAGGCTGCAGGGGTGATCAGCTTCCCGTGGTGGG
 TCTAAGGGCAGAGACAACACAGGCATGCTCTATGCCTTCCCGCCTGCGACTTTTACAGCAGTACCTCC
 AGTCAGCGCTGCGGACATTGGGCAAGTTAGAGGAAGAACACATGGTGATAGTTATAGTAAGGGACACCGC
CTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_175402

Insert Size:	2664 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:	<ol style="list-style-type: none">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_175402.4 , NP_780611.3
RefSeq Size:	3016 bp
RefSeq ORF:	2664 bp
Locus ID:	109095
UniProt ID:	Q6PHZ5
Cytogenetics:	9 F1
Gene Summary:	RNA-binding protein that acts as a key regulator of N6-methyladenosine (m6A) methylation of RNAs, thereby regulating different processes, such as alternative splicing of mRNAs and X chromosome inactivation mediated by Xist RNA. Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing. Plays a key role in m6A methylation, possibly by binding target RNAs and recruiting the WMM complex. Involved in random X inactivation mediated by Xist RNA: acts by binding Xist RNA and recruiting the WMM complex, which mediates m6A methylation, leading to target YTHDC1 reader on Xist RNA and promoting transcription repression activity of Xist. Functions in the regulation of alternative or illicit splicing, possibly by regulating m6A methylation. Inhibits pre-mRNA splicing. Also functions as a mRNA export factor by acting as a cofactor for the nuclear export receptor NXF1.[UniProtKB/Swiss-Prot Function]