

Product datasheet for **RN214549**

Rbm45 (NM_153306) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm45 (NM_153306) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rbm45
Synonyms:	Drb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214549 representing NM_153306
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGACGCCGAGCTCCGGAGGCAGCGGAGGCTTCCGCCCGGAGTAGACAGTCTGGATGAGCCGC
 CCAACAGCCGCATCTTCTAGTGATCAGCAAGTACACATCGGAATCGGTGCTGAGGGAGCACTTCTCGCC
 TTTCGGAGACATCCAGGACATCTGGGTAGTGCGCGACAAGCACACTAAGGAGTCCAAGGGCATCGCCTTC
 GTCAAGTTCGCACGCAGCTCACAGGCCTGCCGGCTATGGAGGAGATGCACGGACAGTGCCTTGGTCCCA
 ACGACACCAAGCCATCAAGGTTTTATTGCCAGTCCCGATCATCAGGGAGTACAGGGATGTCGAAGA
 CGAAGAGCTCACGAGGATCTTTGTATGATACCAAAGTCTACACGGAGGAAGACCTGCCGGAGAAGTTC
 AAGGTGTATGGAGACATCGAGTACTGCAGCGTTATTAAGAATAAAGTCACTGGAGAAAGTAAAGGCTTGG
 GCTACGTGCGGTACTTAAAACCATACAAGCTGCCAGGCAATAGAAAAGTGTGATAGAAGTTTCAGAGC
 ACTCTTGGCTGAACCTAAAATAAAGTGTGGAGTCCCCAGAACAAGATTATTACAGTAGCGTGAGGCAG
 GAGACTTTGGGGCAGGAGCTAGAGGAAATCTGTTCCCTTCGTTGGAGAACAACAATCTGAATTTTCAA
 CTTTTGACAAGAACGATAGCAGAGGCCAGGAAGCTATCTCAAACGCCTGTCCGGTGGCGTCGAGGGTCCC
 CTTTACAGAGGAGCAGCTCTTACGATTTTTGACATCGTCCCAGGGCTGGAGTACTGTGAGGTTACCCGA
 GACCTTACTTAAATTATGGTCAATGGCGTGGTTTCAGTATTTAACGTGGCATCGGCTGTTTATGCACAAT
 ACAAAATGCATGGATTCCAGTACCCTCCCGGGAATCGGATAGCTGTTTCTTTCTGGATGACGGAAGTAA
 TTCAGTGTATCTCATCAGGAAAATGGCCACACAGATGGTGGCGGCACAGCTCGCGTCAACGGTGTGGAGT
 AACCCGAGTCACCAGCAGTTTCTGCAATTCGGAGGAAGTGTGGTCCACAAGTGCCTCAAATCCAGACAG
 ACGTAGTACTTCCGTCATGCAGAAAAGAAAGCCCAACCGAACTCCTGTGAAAGAAAGGCTGTTTATTGT
 GTTTAATCCCATCCTTTGCCGTTAGACGTGTTGGAGGATATATTCTGCCGTTTTGGGAACCTGATTGAG
 GTCTACCTTGTGTGGGGAAAATGTGGCTATGTCAAGTATGCTGATAGAATGAGCGCCAATGACGCCA
 TCACAATCTGCACGGGAAGATTCTAAATGGGGTCAGACTTAAGGTTATGCTGGCAGATCCCAAGAGA
 AGTATCCAAAAGAGGCAGAGAATTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_153306
- Insert Size:** 1431 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:**
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_153306.1](#), [NP_695218.1](#)

RefSeq Size: 1778 bp

RefSeq ORF: 1431 bp

Locus ID: 266631

UniProt ID: [Q8CFD1](#)

Cytogenetics: 3q24

Gene Summary: RNA-binding protein with binding specificity for poly(C). May play an important role in neural development.[UniProtKB/Swiss-Prot Function]