

Product datasheet for **RR214549**

Rbm45 (NM_153306) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR214549 representing NM_153306
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGACGACGCCGAGCTCCGGAGGCAGCGGAGGCTTCGCCCGGAGTAGACAGTCTGGATGAGCCG
 CCAACAGCCGCATCTTCTAGTGATCAGCAAGTACACATCGGAATCGGTGCTGAGGGAGCACTTCTCGCC
 TTCGGAGACATCCAGGACATCTGGGTAGTGCGCGACAAGCACACTAAGGAGTCCAAGGGCATCGCCTTC
 GTCAAGTTCGCACGCAGCTCACAGGCCTGCCGGCTATGGAGGAGATGCACGGACAGTGCCTTGGTCCCA
 ACGACACCAAGCCATCAAGGTTTTATTGCCAGTCCCGATCATCAGGGAGTCACAGGGATGTCGAAGA
 CGAAGAGCTCACGAGGATCTTTGTATGATACCAAGTCTACACGGAGGAAGACCTGCGGGAGAAGTTC
 AAGGTGTATGGAGACATCGAGTACTGCAGCGTTATTAAGAATAAAGTCACTGGAGAAAGTAAAGGCTTGG
 GCTACGTGCGGTACTTAAACCATCACAAGCTGCCAGGCAATAGAAAAGTGTGATAGAAGTTTCAGAGC
 ACTCTTGCTGAACCTAAAAATAAAGTGTGGAGTCCCGAGAACAAGATTATTACAGTAGCGTGAGGCAG
 GAGACTTTGGGGCAGAGCTAGAGGAAATCTGTTTCCCTTCGTTGGAGAACAACTCTGAATTTTCAA
 CTTTTGACAAGAACGATAGCAGAGGCCAGGAAGCTATCTCAAACGCCTGTCGGTGGCGTCGAGGGTCCC
 CTTACAGAGGAGCAGCTCTTCAGCATTTTGTACATCGTCCAGGGCTGGAGTACTGTGAGGTTCACCGA
 GACCTTACTTAAATTATGGTATGGCGTGGTTAGTATTTAACGTGGCATCGGCTGTTTATGCACAA
 ACAAAATGCATGGATTCCAGTACCCTCCCGGAATCGGATAGCTGTTTCTTTCTGGATGACGGAAGTAA
 TTCAGTGATCTCATCAGGAAAATGGCCACACAGATGGTGGCGGCACAGCTCGCGTCAACGGTGTGGAGT
 AACCCGAGTCACAGCAGTTTCTGCAATTCGGAGGAAGTCTGGGTACAAAGTGCCTCAAATCCAGACAG
 ACGTAGTACTTCCGTATGCAGAAAGAAAGCCCGGAACTCCTGTGAAAGAAAGGCTGTTTATTGT
 GTTAATCCCATCCTTTGCCGTTAGACGTGTTGGAGGATATATTCTGCCGTTTTGGGAACCTGATTGAG
 GTCTACCTTGTGTCGGGAAAAATGTGGCTATGTCAAGTATGCTGATAGAATGAGCGCCAAATGACGCCA
 TCACAACTCTGCACGGGAAGATTCTAAATGGGGTCAGACTTAAGGTTATGCTGGCAGATCCCCAAGAGA
 AGTATCCAAAAGAGGCAGAGAACTTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

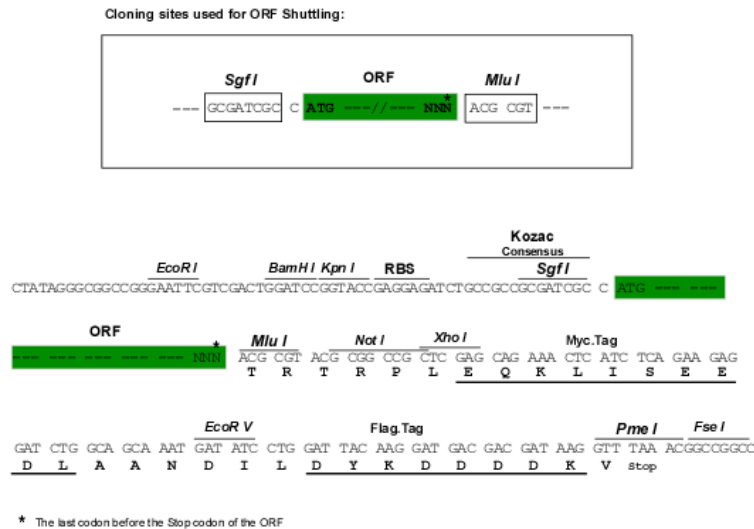
>RR214549 representing NM_153306
 Red=Cloning site Green=Tags(s)

MDDAGSSGGSGGFRPGVDSLDEPPNSRIFLVISKYTSSESVLREHFSFPGDIQDIWVVRDKHTKESKGI
 VKFARSSQACRAMEEMHGQCLGPNDTKPIKVFIAQSRSSGSHRDVEEELTRIFVMIPKSYTEEDLREKF
 KVYGDIEYCSVIKNKVTGESKGLGYVRYLKPSQAAQAIENCDRSFRALLAEPKNKVLESPEQDYSSVRQ
 ETLGHEPRGNLFPFVGEQQSEFSTFDKNSRGQEAISKRLSVASRPVFTTEQLFSIFDIVPGLEYCEVHR
 DPYLNIGHGVVQYFNVASAVYAQYKLHGFQYPPGNRIAVSFLDDGSNSADLIRKMATQMVAAQLASTVWS
 NPSHQQLQFGGSAGSQVPQIQTDVVLPSCRKKAPPETPVKERLFIVFNPHPLPLDVLEIFCRFGLNIE
 VYLVSGKNVGYVKYADRMSANDAITTLHGKILNGVRLKVMLADSPREVSKKRQRTY

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_153306

ORF Size: 1428 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

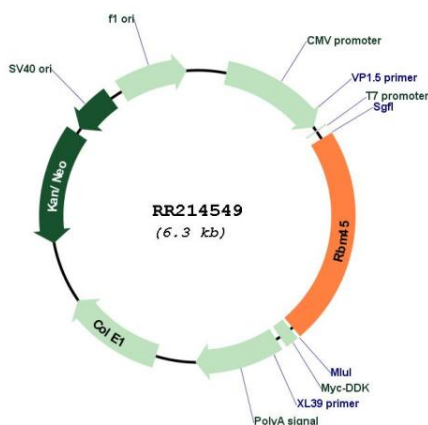
UniProt ID: [Q8CFD1](#)

Cytogenetics: 3q24

MW: 53.4 kDa

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

Product images:



Circular map for RR214549