

Product datasheet for **SC317782**

RBM45 (NM_152945) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM45 (NM_152945) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM45
Synonyms:	DRB1; RB-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317782 representing NM_152945.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACGAAGCTGGCAGCTCTGCGAGCGCGGGGGCTCCGCCCGGGCGTGGACAGCCTGGACGAACCG
CCCAACAGCCGCATCTTCCTTGTGATCAGCAAGTACACACCTGAGTCGGTGCTGAGGGAGCGCTTCTCG
CCTTTTGGCGACATCCAGGACATCTGGGTGGTGGCGGACAAAGCACACCAAGGAGTCCAAGGGCATTGCT
TTCGTCGAAGTTCGCCCGCAGCTCACAGGCTGCAGGGCCATGGAGGAGATGCATGCCAGTGCCTCGGC
CCCAACGACACCAAGCCCATCAAGGTTTTTCATTGCTCAGTCCCGATCATCTGGAAGTCAACGAGATGTT
GAAGATGAAGAATTACAAGAATCTTTGTTATGATACCAAAGTCTACACAGAAGAAGATCTGCGGGAA
AAATTTAAGGTGTATGGAGATATCGAGTATTGCAGCATTATTAAGAATAAAGTACTGGAGAAAAGTAAA
GGTTTGGGCTACGTACGATACTAAAACCATCACAAAGTCCCAAGCAATAGAAAAGTGTGATCGAAGT
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ATGAGGCAAGAAGCTTTGGGACATGAACCTAGAGTAAATATGTTCCATTTGAACAACAATCTGAATTT
TCAAGTTTTGACAAGAATGATAGCCGAGGCCAGGAAGCAATCTCCAACGCTTGTGAGTTGATCAAGA
GTTCTTTCACTGAAGAACAGCTTTTCAGCATTTTTGATATAGTACCAGGATTGGAATATTGTGAAGTT
CAACGAGATCCTTATTCAAATTATGGTCATGGAGTGGTTCAGTATTTAATGTAGCATCAGCTATTTAT
GCAAAAATACAAATTACATGGATTTACAGTACCCTCCTGGGAACCGAATAGGTGTTTCCTTCATTGATGAT
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GTGTGGAATAACCAAGTCAGCAACAATTTATGCAATTTGGAGGAAGCTCTGGATCACAGTTGCCTCAA
ATCCAGACAGATGTTGTACTTCCATCATGCAAAAAAAGCTCCTGCTGAAACTCCTGTGAAAGAAAGA
CTTTTATTGTGTTAATCCTCATCCTTTACCTTTAGACGTATTAGAAGATATATTCTGTGTTTTGGT
AACCTGATCGAAGTTTACCTTGTGTGAGGAAAAATGTGGGTATGCCAAGTATGCCGATAGAATAAGT
GCTAATGATGCCATTGCCACTCTACATGAAAAGATTCTGAATGGGGTGAGACTTAAAGTTATGCTGGCA
GATTCGCCAAGAGAAGAATCTAACAAACGGCAAAGAACTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_152945

Insert Size: 1425 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_152945.3](#)

RefSeq Size: 1831 bp

RefSeq ORF: 1425 bp

Locus ID: 129831

UniProt ID: [Q8IUH3](#)

Cytogenetics: 2q31.2

Domains: RRM

MW: 53.3 kDa

Gene Summary: This gene encodes a member of the RNA recognition motif (RRM)-type RNA-binding family of proteins. This protein exhibits preferential binding to poly(C) RNA. Initial cloning of this gene found that the rat ortholog was dynamically expressed in the developing rat brain. This protein has been localized to inclusion bodies in the brain and spinal cord of amyotrophic lateral sclerosis and Alzheimer's patients. A pseudogene has been identified on chromosome 8. [provided by RefSeq, Feb 2015]