

Product datasheet for **SC100309**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152945, the custom clone sequence may differ by one or more nucleotides

ATGGACGAAGCTGGCAGCTCTGCGAGCGGCGGGGCTTCCGCCCGGGCGTGGACAGCCTGGACGAACCGC
 CCAACAGCCGCATCTTCCTTGTGATCAGCAAGTACACACCTGAGTCGGTGCTGAGGGAGCGCTTCTCGCC
 TTTTGGCGACATCCAGGACATCTGGGTGGTGGGACAGCACACCAAGGAGTCCAAGGGCATTGCTTTC
 GTCAAGTTCGCCCGCAGCTCACAGGCCTGCAGGGCCATGGAGGAGATGCATGGCCAGTGCCTCGGCCCA
 ACGACACCAAGCCCATCAAGGTTTTATTGCTCAGTCCCGATCATCTGGAAGTCACCGAGATGTTGAAGA
 TGAAGAACTTACAAGAATCTTTGTTATGATACCAAGTCTACACAGAAGAAGATCTGCGGGAATAATTT
 AAGGTGTATGGAGATATCGAGTATTGCAGCATTATTAAGAATAAAGTGACTGGAGAAAGTAAAGTTTTG
 GCTACGTACGATACTTAAACCATCACAAAGCTGCCAAGCAATAGAAAAGTGTGATCGAAGTTTTAGAGC
 AATCTTGGCTGAACCTAAAAATAAAGCATCTGAATCCTCTGAACAAGATTATTATAGTAATATGAGGCAA
 GAAGCTTTGGGACATGAACCTAGAGTAAATATGTTTCCATTTGAACAACAATCTGAATTTCAAGTTTTG
 ACAAGAATGATAGCCGAGGCCAGGAAGCAATCTCCAAACGCTTGTCAGTTGTATCAAGAGTTCCTTTAC
 TGAAGAACAGCTTTTCAGCATTTTGTATAGTACCAGGATTGGAATATTGTGAAGTTCAACGAGATCCT
 TATTCAAATTATGGTCATGGAGTGGTTCAGTATTTAATGTAGCATCAGTATTTATGCAAAATACAAAT
 TACATGGATTTTCAGTACCCTCCTGGGAACCGAATAGGTGTTTCTTCATTGATGATGGAAGTAATGCAAC
 AGATCTCCTTAGAAAAATGGCAACACAGATGGTAGCTGCACAGCTTGCATCAATGGTGTGGAATAACCCA
 AGTCAGCAACAATTTATGCAATTTGGAGGAAGCTCTGGATCACAGTTGCCTCAAATCCAGACAGATGTTG
 TACTTCCATCATGCAAAAAAAGCTCCTGCTGAAACTCCTGTGAAAGAAAGACTTTTTATTGTGTTTAA
 TCCTCATCCTTTACCTTTAGACGTATTAGAAGATATATTCTGTCGTTTTGGTAACCTGATCGAAGTTTAC
 CTTGTGTCAGGAAAAATGTGGGTATGCCAAGTATGCCGATAGAATAAGTGCTAATGATGCCATTGCCA
 CTCTACATGGAAGATTCTGAATGGGTGAGACTTAAAGTTATGCTGGCAGATTCCGCAAGAGAAGAATC
 TAACAAACGGCAAGAAGTACTGA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152945 unedited <pre> AGTCAGACTTGTATACGACTCCTATAGGCGGCCGCGAAATTCGCACGAGGACCGGCAAAG GCTTGGGTGTGAGACAGCAGCGGTGGCAGACACCGCAGAAGCAAAGAGCAGTGAGGCTCC TGCAATTCGGGTGGAGCACCATGGACGAAGCTGGCAGCTCTGCGAGCGCGGGGGCTTCCG CCCGGGCGTGGACAGCCTGGACGAACCGCCCAACAGCCGCATCTTCCTTGTGATCAGCAA GTACACACCTGAGTCGGTGCTGAGGGAGCGCTTCTCGCCTTTTGGCGACATCCAGGACAT CTGGGTGGTGGGACAAGCACACCAAGGAGTCCAAGGCAATTGCTTTTCGTCAGTTTCGC CCGCAGCTCACAGGCCTGCAGGGCCATGGAGGAGATGCATGGCCAGTGCCTCGGCCCCAA CGACACCAAGCCCATCAAGGTTTTCATTGCTCAGTCCCGATCATCTGGAAGTCACCGAGA TGTTGAAGATGAAGAAGTTACAAGAATCTTTGTTATGATACCAAAGTCCTACACAGAAGA AGATCTGCGGGAAAAATTTAAGGTGTATGGAGATATCGAGTATTGCAGCATTATTAAGAA TAAAGTGACTGGAGAAAGTAAAGGTTTGGGCTACGTACGATACTTAAACCATCACAAGC TGCCCAAGCAATAGAAAAGTGTATCGAAGTTTATAGCAATCTTGGCTGAACCTAANAA AAAGCATCTGAATCCTCTGAACAAGATTATTATAGTAATATGAGGCAAGAAGCTTTGGGA CATGAACCTAGAGTAAATATGTTTCCATTGTGCGAGAAACAACATCTGAATTTTCAAGT TNTGACAAGATGATAGCCGAGGCCAGAAAGCAATCTCCAACGCTTGTCAGTTGTATCAAG AGTTCTTTTCCACTGAGAACAGCTTTTTCAGCATTTTGTATATAAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152945
Insert Size:	4700 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_152945.1 , NP_694453.1
RefSeq Size:	1860 bp
RefSeq ORF:	1860 bp
Locus ID:	129831
UniProt ID:	Q8IUH3
Cytogenetics:	2q31.2
Domains:	RRM

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]