

Product datasheet for **RG208995**

RBM45 (NM_152945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM45 (NM_152945) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM45
Synonyms:	DRB1; RB-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208995 representing NM_152945
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGAAGCTGGCAGCTCTGCGAGCGCGGGGCTTCCGCCCGGGCGTGGACAGCCTGGACGAACCGC
 CCAACAGCCGCATCTTCCTTGTGATCAGCAAGTACACACCTGAGTCGGTCTGAGGGAGCGCTTCTCGCC
 TTTTGGCGACATCCAGGACATCTGGGTGGTGGCGGACAAGCACACCAAGGAGTCCAGGGCATTGCTTTC
 GTCAAGTTCGCCCGCAGCTCACAGGCCTGCAGGGCCATGGAGGAGATGCATGGCCAGTGCCTCGGCCCA
 ACGACACCAAGCCATCAAGGTTTTATTGCTCAGTCCCGATCATCTGGAAGTACCCGAGATGTTGAAGA
 TGAAGAACTTACAAGAATCTTTGTTATGATACCAAAGTCTACACAGAAGAAGATCTGCGGGAAAAATTT
 AAGGTGTATGGAGATATCGAGTATTGCAGCATTATTAAGAATAAAGTGACTGGAGAAAGTAAAGGTTTGG
 GCTACGTACGATACTTAAAACCATCACAAGCTGCCAAGCAATAGAAAAGTGTGATCGAAGTTTTAGAGC
 AATCTTGGCTGAACCTAAAAATAAAGCATCTGAATCCTCTGAACAAGATTATTATAGTAATATGAGGCAA
 GAAGCTTTGGGACATGAACCTAGAGTAAATATGTTTCCATTTGAACAACAATCTGAATTTTCAAGTTTTG
 ACAAGAATGATAGCCGAGGCCAGGAAGCAATCTCCAAACGCTTGTGAGTTGTATCAAGAGTTCCTTTTAC
 TGAAGAACAGCTTTTTCAGCATTTTTGATATAGTACCAGGATTGGAATATTGTGAAGTTCAACGAGATCCT
 TATTCAAATATGGTCATGGAGTGGTTCAGTATTTAATGTAGCATCAGTATTTATGCAAAATACAAAT
 TACATGGATTTACGTACCTCCTGGGAACCGAATAGGTGTTTCTTCATTGATGATGGAAGTAAATGCAAC
 AGATCTCCTTAGAAAAATGGCAACACAGATGGTAGCTGCACAGCTTGCATCAATGGTGTGGAATAACCCA
 AGTCAGCAACAATTTATGCAATTTGGAGGAAGCTCTGGATCACAGTTGCCTCAAATCCAGACAGATGTTG
 TACTTCCATCGCAAAAAAAGCTCCTGTGAAACTCCTGTGAAAGAAAGACTTTTTATTGTGTTTTAA
 TCCTCATCCTTTACCTTTAGACGTATTAGAAGATATATTCTGTCGTTTTGGTAACCTGATCGAAGTTTAC
 CTTGTGTCAGGAAAAATGTGGGTATGCCAAGTATGCCGATAGAATAAGTGCTAATGATGCCATTGCCA
 CTCTACATGGAAGATTCTGAATGGGTGAGACTTAAAGTTATGCTGGCAGATTCGCCAAGAGAAGAATC
 TAACAACGGCAAGAAGTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208995 representing NM_152945
 Red=Cloning site Green=Tags(s)

MDEAGSSASGGGFRPGVDSLDEPPNSRIFLVISKYTPESVLRERFSPFGDIQDIWVVRDKHTKESKGI
 VKFARSSQACRAMEEMHGQCLGPNDTKPIKVFIAQSRSSGSHRDVEDEELTRIFVMIPKSYTEEDLREK
 KVVYGDIEYCSIIKNKVTGESKGLGYVRYLKPSQAAQAIENCDSFRAILAEPKNKASESSEQDYYSNMRQ
 EALGHEPRVNMFPFEQQSEFSSFDDKNSRGQEAISKRLSVVSRVPFTEEQLF SIFDIVPGLEYCEVQRDP
 YSNYGHVYVQYFNVASAIYAKYKLGHFQYPPGNRIGVSFIDDGNSATDLLRKMATQMVAAQLASVMVWNP
 SQQQFMQFGSSGSQLPQIQTDVVLPSCKKKAETPVKERL FIVFNPHPLPLDVLEDFCRFNLIEVY
 LVSGKNVGYAKYADRISANDAIATLHGKILNGVRLKVMLADSPREESNKRQRTY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_152945

ORF Size: 1422 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_152945.4](#)

RefSeq Size: 1860 bp

RefSeq ORF: 1425 bp

Locus ID: 129831

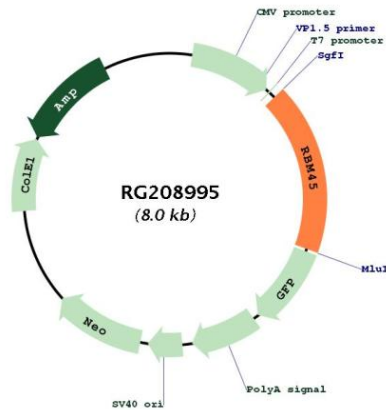
UniProt ID: [Q8IUH3](#)

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]

Product images:



Circular map for RG208995