

## Product datasheet for **RG235052**

### **RBM12 (NM\_001198838) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBM12 (NM_001198838) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM12
Synonyms:	HRIHFB2091; SCZD19; SWAN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG235052 representing NM\_001198838  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCTGTGGTCATCCGTTTGAAGGTCTCCCAATTGTGGCGGGGACCATGGACATTCGCCACTTCTTCT  
 CTGGATTGACCATTCTGATGGGGCGTGCATATTGTAGGGGTGAACTGGGTGAGGCTTTCATCGTTTT  
 TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACAATTAAGGGTCAAAGTAAACA  
 CTATTGTTGAGTAGTAAGACGGAATGCAGAATATGATTGAACTGAGTCGTAGGCGTTTTGAACTGCCA  
 ACTTAGATATACCACCAGCAAATGCCAGTAGATCAGGACCACCACCTAGCTCAGGAATGAGTAGCAGGGT  
 AAAGTGGCCACAACAGTATCCAACCTTAATAATCCATCACCCAGTGTAGTTACTGCCACCACCTTCTGTT  
 CATGAAAGCAACAAAACATACAGACATTTCCACAGCCAGCGTAGGAACAGCTCCTCAAATATGGGGG  
 CTTCTTTGGGAGCCCAACGTTTAGCTCAACTGTTCCAAGCACAGCTCTCCAATGAACACAGTCCCGCC  
 GCCACCAATTCCTCAATTCAGCGATGCCATCTCTGCCACCAATGCCATCCATTCGCCCAATTCAGTT  
 CCTCTCCAGTACCTACATTGCCTCCTGTGCCTCCTGTGCCCCGATTCCCCCAAGTTCCTCTGTGCCAC  
 CCATGACCCCACTGCCACCCATGTGGGATGCCGCCCTTGAATCCGCCACCTGTGGCACCTCTACCTGC  
 TGGAAATGAATGGCTCTGGAGCACCTATGAATTTGAAACAATAATCTGAATCCTATGTTTCTTGGTCCGTTG  
 AATCCTGTTAACCTATCCAGATGAACTCTCAGAGCAGTGTGAAGCCACTCCCATCAACCTGATGATC  
 TGTATGTCAGTGTGCATGGAATGCCCTTTCTGCAATGGAAAATGATGTCAGAGATTTTTTTCATGGGCT  
 CCGTGTGATGCAGTGCATTTGTTGAAAGATCATGTAGGTCGAAATGATGGAATGGATTGGTTAAGTTT  
 CTCTCCCTCAAGATACATTTGAAGCTTTGAAACGAAACAGAATGCTGATGATTCACCGCTATGTGGAAG  
 TTAGCCCTGCCACAGAAAGACAGTGGTAGCTGCTGGAGCCATATCACTTTTAAGCAAAAATATGGGACC  
 TTCTGGACAAAACATCCCTCCTCAGACACTTCCAGGTCAAATCGCCAGTGGGCAGAAAAGATCA  
 AGGTCAAGATCACCATGAGGCTGGTTTTTGTGTTTACTTGAAGGGCTACCATTTGAAGCAGAAAACA  
 AACATGTCATTGATTTTTTAAAAAGCTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCCAA  
 TGGGAAAGCAACTGGCGAAGGCTTTGTAGAGTTCAGAAATGAGGCTGACTATAAGGCTGCTCTGTGTCGT  
 CATAAACAGTACATGGGCAATCGCTTTATTCAAGTTCATCCAATTAAGAAAGGTATGCTAGAAAAGA  
 TAGATATGATTCGAAAAGACTGCAGAACTTCAGCTATGACCAGAGGGAAATGATACTAAATCCAGAGGG  
 GGATGTCAACTCTGCCAAAGTCTGTGCCACATAACAAAATATTCATTCCAGCATTACAAAGATGGATGTT  
 CTTGATTCCTAGAAGGAATCCAGTGGATGAAAATGCTGTACATGTTCTTGTGATAACATGGGCAAG  
 GTCTAGGACAGGATTGGTTTCAAGTTAAAAATGAAGATGATGCAGTAAGTCTGAACGCTTACACCGTAA  
 AAACTTAATGGGAGAGAAGCTTTTGTTCATGTAGTTACCTAGAAAGATATGAGAGAGATTGAGAAAAAT  
 CCCCTGCCCAAGGAAAAAGGGATTAAGATGCCTGTGCCAGGTAATCCTGCAGTTCAGGAATGCCCA  
 ATGCGGGACTGCCGGTGTGGGACTGCCAGTGCAGGACTTCCCGGTGCAGGCTGCCAGCACAGGACT  
 GCCTGGTTCAGCAATAACAGTGCAGGACTGCCTGGTGCAGGAAATGCCAGTGCAGGAATACCTAGTGCA  
 GGAGGTGAAGAGCATGCCTTCTGACTGTAGGATCAAAGGAAGCAATAATGGGCTCCATTTAACTTTC  
 CTGGTAATTTTGGTGGATCAAATGCCTTTGGGCCACCAATCCCTCCTCCAGGATTAGGAGCGGGGCTT  
 TGGTGTGCTAGGCTGGTATGCCTTCAAGTGGAAACAGTGGTTTGCCTGGTCTAGGACTGGATGTTCCG  
 GGTTTTGGAGGTGGACCAACAATTTAAGTGGCCATCGGGATTTGGAGGGGGCCCTCAGAATTTTGAA  
 ATGGCCCTGGTAGCTTAGGCGGTCCCGGGGTTTGAAGTGGCCCTCCTGGTCTTGAAGTGGCCCTGG  
 GCATTTGGGTGGGCCACCAGCTTTGGGCTGGCCCGGCCCGGCCCGGCCCTGGCCCAATCCATATT  
 GGTGGTCCCCTGGCTTTGCATCTAGTTCTGAAAACAGGACCGACAGTAATTAAGTGCAAAACATGC  
 CCTTACTGTGTCTATTGATGAGATTTAGATTTCTTTATGGCTATCAAGTAATCCAGGCTCAGTGTG  
 TTTAAAATACAATGAAAAGGTATGCCACAGGTGAAGCCATGGTGGCCTTTGAGTCTCGGGATGAAGCC  
 ACAGCTGTCTCATTGACTTAAATGACAGGCTATAGTTCAAGAAAAGTAAAACCTGTATTAGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG235052 representing NM\_001198838  
 Red=Cloning site Green=Tags(s)

MAVVIRLQGLPIVAGTMDIRHFFSGLTIPDGGVHIVGGELGEAFIVFATDEDARLGMMRTGGTIKGSKVT  
 LLLSSKTEMQNMIELSRRRFETANLDIPPANASRSGPPSSGMSSRVNLPPTVSNFNNPSPSVVTATTSV  
 HESNKNIQTFSTASVGTAPPNMGASFGSPTFSSTVPTASPMNTVPPPIPPAMPPLPMPSPPIPV  
 PPPVPTLPPVPPVPPIPPVPSVPPMTPLPPMSGMPLNPPPVAPLPAGMNGSGAPMNLNNLNPMFLGPL  
 NPVNPIQMNSQSSVKPLPINPDDL YVSVHGMPFSAMENDVRDFHGLRVDAVHLLKDHVGRNNGNGLVKF  
 LSPQDTFEALKRNRMLMIQRYVEVSPATERQWVAAGGHITFKQNMGPSGQTHPPQPQLPRSKSPSGQKRS  
 RSRSPHEAGFCVYLKGLPFEAENKHVIDFFKKLDIVEDSIYIAYGPNKATGEGFVEFRNEADYKAALCR  
 HKQYMGNRFIQVHPITKKGMLEKIDMIRKRLQNF SYDQREMILNPEGDVNSAKVCAHITNIPFSITKMDV  
 LQFLEGIPVDENAVHVLVDNNGQGLGQALVQFKNEDDARKSERLHRKKLNGREAFVHVVTLEDMREIEKN  
 PPAQGGKGLKMPVPGNPVPGMPNAGLPGVGLPSAGLPGAGLPSTGLPGSAITSAAGLPAGMPSAGIPSA  
 GGEHFAFLTVGSKEANNGPPFNFGNFGGSNAFGPPIPPPGLGGGAFGDARPGMPVSGNSGLPGLGLDVP  
 FGPPGNNL SGPSGFGGGPQNFNGPGSLGGPPGFGSGPPGLGSAPGHLGGPPAFGPGPGPGPGPIHI  
 GGPPGFASSSGKPGPTVIKVNMPFTVSIIDEILDFFYGYQVIPGSVCLKYNEKGMPTGEAMVAFESRDEA  
 TAAVIDLNDRPIGSRKVKLVLG

TRTRPLE - GFP Tag - V

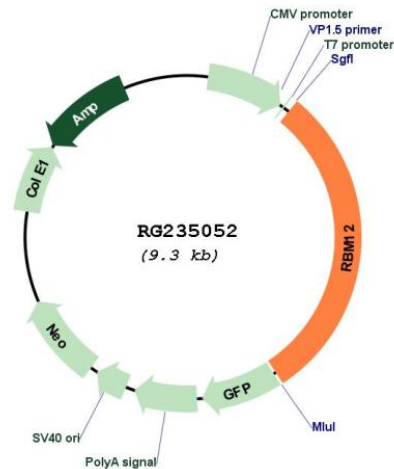
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001198838

ORF Size: 2796 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\\_001198838.2](#)

RefSeq Size: 6682 bp

RefSeq ORF: 2799 bp

Locus ID: 10137

UniProt ID: [Q9NTZ6](#)

Cytogenetics: 20q11.22

**Gene Summary:**

This gene encodes a protein that contains several RNA-binding motifs, potential transmembrane domains, and proline-rich regions. This gene and the gene for copine I overlap at map location 20q11.21. Alternative splicing in the 5' UTR results in four transcript variants. All variants encode the same protein. [provided by RefSeq, Nov 2010]