

Product datasheet for **RG235053**

RBM12 (NM_001198840) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM12 (NM_001198840) 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:

>RG235053 representing NM_001198840
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTGTGGTCATCCGTTTGAAGGTCTCCCAATTGTGGCGGGGACCATTGGACATTCGCCACTTCTTCT
 CTGGATTGACCATTCCTGATGGGGCGTGCATATTGTAGGGGTGAACTGGGTGAGGCTTTCATCGTTTT
 TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACAATTAAGGGTCAAAGTAAACA
 CTATTGTTGAGTAGTAAGACGGAATGCAGAATATGATTGAACTGAGTCGTAGGCGTTTTGAACTGCCA
 ACTTAGATATACCACCAGCAAATGCCAGTAGATCAGGACCACCACCTAGCTCAGGAATGAGTAGCAGGGT
 AAAGTGGCCACAACAGTATCCAACCTTAATAATCCATCACCCAGTGTAGTTACTGCCACCACCTTCTGTT
 CATGAAAGCAACAAAACATACAGACATTTCCACAGCCAGCGTAGGAACAGCTCCTCAAATATGGGGG
 CTTCTTTGGGAGCCCAACGTTTAGCTCAACTGTTCCAAGCACAGCTCTCCAATGAACACAGTCCCGCC
 GCCACCAATTCCTCAATTCAGCGATGCCATCTCTGCCACCAATGCCATCCATTCACCAATTCAGTT
 CCTCTCCAGTACCTACATTGCCTCCTGTGCCTCCTGTGCCCCGATTCCCCAGTTCCTTCTGTGCCAC
 CCATGACCCCACTGCCACCCATGTGGGATGCCGCCCTTGAATCCGCCACCTGTGGCACCTCTACCTGC
 TGGAAATGAATGGCTCTGGAGCACCTATGAATTTGAAACAATAATCTGAATCCTATGTTTCTTGGTCCGTTG
 AATCCTGTTAACCTATCCAGATGAACTCTCAGAGCAGTGTGAAGCCACTCCCATCAACCTGATGATC
 TGTATGTCAGTGTGCATGGAATGCCCTTTCTGCAATGGAAAATGATGTCAGAGATTTTTTTCATGGGCT
 CCGTGTGATGCAGTGCATTTGTTGAAAGATCATGTAGGTCGAAAATGATGGAATGGATTGGTTAAGTTT
 CTCTCCCTCAAGATACATTTGAAGCTTTGAAACGAAACAGAATGCTGATGATTCACCGCTATGTGGAAG
 TTAGCCCTGCCACAGAAAGACAGTGGTAGCTGCTGGAGCCATATCAGTTTTAAGCAAAAATATGGGACC
 TTCTGGACAAAACATCCCTCCTCAGACACTTCCAGGTCAAAATCGCCAGTGGGCAGAAAAGATCA
 AGGTCAAGATCACCATGAGGCTGGTTTTTGTGTTTACTTGAAGGGCTACCATTTGAAGCAGAAAACA
 AACATGTCATTGATTTTTTAAAAAGCTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCCAA
 TGGGAAAGCAACTGGCGAAGGCTTTGTAGAGTTCAGAAATGAGGCTGACTATAAGGCTGCTCTGTGTCGT
 CATAAACAGTACATGGGCAATCGCTTTATTCAAGTTCATCCAATTAAGAAAGGTATGCTAGAAAAGA
 TAGATATGATTCGAAAAGACTGCAGAACTTCAGCTATGACCAGAGGGAAATGATACTAAATCCAGAGGG
 GGATGTCAACTCTGCCAAAGTCTGTGCCACATAACAAAATATTCATTACAGCATTACAAAGATGGATGTT
 CTTGAGTTCCTAGAAGGAATCCAGTGGATGAAAATGCTGTACATGTTCTTGTGATAACAAATGGGCAAG
 GTCTAGGACAGGATTGGTTTCAAGTTAAAAATGAAGATGATGCAGTAAGTCTGAACGCTTACACCGTAA
 AAACTTAATGGGAGAGAAGCTTTTGTTCATGTAGTTACCTAGAAGATATGAGAGAGATTGAGAAAAAT
 CCCCTGCCCAAGGAAAAAGGGATTAAGATGCCTGTGCCAGGTAATCCTGCAGTTCAGGAATGCCCA
 ATGCGGGACTGCCGGTGTGGGACTGCCAGTGCAGGACTTCCCGGTGCAGGCTGCCAGCACAGGACT
 GCCTGGTTCAGCAATAACAGTGCAGGACTGCCTGGTGCAGGAAATGCCAGTGCAGGAATACCTAGTGCA
 GGAGGTGAAGAGCATGCCTTCTGACTGTAGGATCAAAGGAAGCAATAATGGGCTCCATTTAACTTTC
 CTGGTAATTTTGGTGGATCAAATGCCTTTGGGCCACCAATCCCTCCTCCAGGATTAGGAGCGGGGCCTT
 TGGTATGCTAGGCTGGTATGCCTTCAAGTGGAAACAGTGGTTTGCCTGGTCTAGGACTGGATGTTCCG
 GGTTTTGGAGGTGGACCAACAATTTAAGTGGCCATCGGGATTTGGAGGGGGCCCTCAGAATTTTGAA
 ATGGCCCTGGTAGCTTAGGCGGTCCCGGGGTTTGAAGTGGCCCTCCTGGTCTTGAAGTGGCCCTGG
 GCATTTGGGTGGGCCACCAGCTTTTGGGCTGGCCCCGGCCCCGGCCCTGGCCCAATCCATATT
 GGTGGTCCCCTGGCTTTGCATCTAGTTCTGAAAACAGGACCGACAGTAATTAAGTGCAAAACATGC
 CCTTACTGTGTCTATTGATGAGATTTAGATTTCTTTATGGCTATCAAGTAATCCAGGCTCAGTGTG
 TTTAAAATACAATGAAAAGGTATGCCACAGGTGAAGCCATGGTGGCCTTTGAGTCTCGGGATGAAGCC
 ACAGCTGTCTCATTGACTTAAATGACAGGCCTATAGTTCAAGAAAAGTAAAACCTGTATTAGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235053 representing NM_001198840
 Red=Cloning site Green=Tags(s)

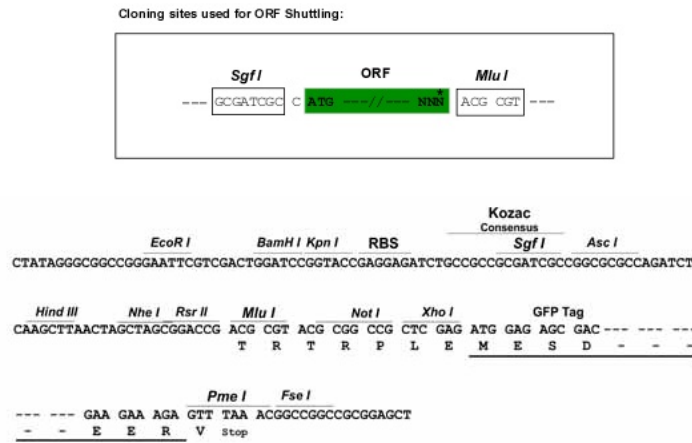
MAVVIRLQGLPIVAGTMDIRHFFSGLTIPDGGVHIVGGELGEAFIVFATDEDARLGMMRTGGTIKGSKVT
 LLLSSKTEMQNMIELSRRRFETANLDIPPANASRSGPPSSGMSSRVNLPPTVSNFNPPSPSVVTATTSV
 HESNKNIQTFSTASVGTAPPNMGASFGSPTFSSTVPTASPMNTVPPPIPPAMPPLPMPSPPIPV
 PPPVPTLPPVPPVPPIPPVPSVPPMTPLPPMSGMPLNPPPVAPLPAGMNGSGAPMNLNNLNPMFLGPL
 NPVNPIQMNSQSSVKPLPINPDDL YVSVHGMPPFSAMENDVRDFHGLRVDAVHLLKDHVGRNNGNGLVKF
 LSPQDTFEALKRNRMLMIQRYVEVSPATERQVWAAGGHITFKQNMGPSGQTHPPQPQLPRSKSPSGQKRS
 RSRSPHEAGFCVYLKGLPFEAKNHVIDFFKKLDIVEDSIYIAYGPNKATGEGFVEFRNEADYKAALCR
 HKQYMGNRFIQVHPITKKGMLEKIDMIRKRLQNF SYDQREMILNPEGDVNSAKVCAHITNIPFSITKMDV
 LQFLEGI PVDENAVHVLVDNNGQGLGQALVQFKNEDDARKSERLHRKKLNGREAFVHVVTLEDMREIEKN
 PPAQGGKGLKMPVPGNPVPGMPNAGLPGVGLPSAGLPGAGLPSTGLPGSAITSAAGLPGAGMPSAGIPSA
 GGEHFAFLTVGSKEANNGPPFNFGNFGGSNAFGPPIPPPGLGGGAFGDARPGMPVSGNSGLPGLGLDVP
 FGPPGNNL SGPSGFGGGPQNFNGPGSLGGPPGFGSGPPGLGSAPGHLGGPPAFGPGPGPGPGPIHI
 GGPPGFASSSGKPGPTVIK VQNMPFTV SIDEILDFYGYQVIPGSVCLKYNEKGMPTGEAMVAFESRDEA
 TAAVIDLNDRPIGSRKVKLVLG

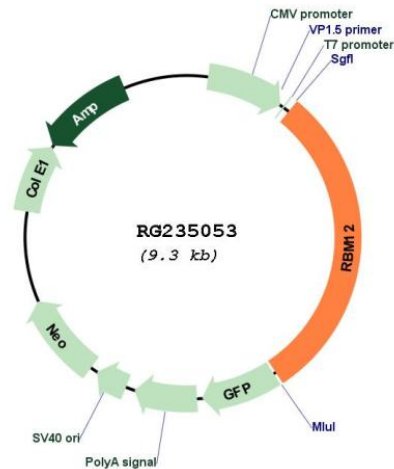
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001198840

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_001198840.2](#)

RefSeq Size: 6639 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]