

## Product datasheet for **SC108251**

### **RBM12 (NM\_152838) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBM12 (NM_152838) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM12
Synonyms:	HRIHFB2091; SCZD19; SWAN
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_152838, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTGGTCATCCGTTTGAAGGTCTCCCAATTGTGGCGGGGACCATGGACATTCGCCACTTCTTCT
CTGGATTGACCATTCTGATGGGGCGTGCAATTGTAGGGGGTGAAGTGGGTGAGGCTTTCATCGTTTT
TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACAATTAAGGGTCAAAGTAAACA
CTATTGTTGAGTAGTAAGACGGAAATGCAGAATATGATTGAACTGAGTCGTAGGCGTTTTGAACTGCCA
ACTTAGATATAACCACCAGCAAATGCCAGTAGATCAGGACCACCACCTAGCTCAGGAATGAGTAGCAGGGT
AAACTTGCCACAACAGTATCCAACCTTAATAATCCATCACCCAGTGTAGTTACTGCCACCACCTTCTGTT
CATGAAAGCAACAAAAACATACAGACATTTCCACAGCCAGCGTAGGAACAGCTCCTCAAATATGGGGG
CTTCTTTGGGAGCCCAACGTTTAGCTCAACTGTTCCAAGCACAGCCTCTCCAATGAACACAGTCCCACC
GCCACCAATTCCTCAATTCAGCGATGCCATCTCTGCCACCAATGCCATCCATCCCCCAATCCAGTT
CCTCCTCCAGTACCTACATTGCCTCCTGTGCCTCCTGTGCCCCCGATTCCCCAGTTCCTCTGTGCCAC
CCATGACCCCACTGCCACCCATGTGGGCATGCCGCCCTTGAATCCGCCACCTGTGGCACCTCTACCTGC
TGGAAATGAATGGCTCTGGAGCACCTATGAATTTGAACAATAATCTGAATCCTATGTTTCTTGGTCCGTTG
AATCCTGTAAACCTATCCAGATGAACTCTCAGAGCAGTGTGAAGCCACTCCCCATCAACCTGATGATC
TGTATGTCAGTGTGCATGGAATGCCCTTTCTGCAATGGAAAATGATGTCAGAGATTTTTTTCATGGGCT
CCGTGTTGATGCAGTGCATTTGTTGAAAGATCATGTAGGTCGAAAATATGGGAATGGATTGGTTAAGTTT
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TTAGCCCTGCCACAGAAAGACAGTGGGTAGCTGCTGGAGGCCATACACTTTTAAAGCAAAATATGGGACC
TTCTGGACAACTCATCCCCCTCCTCAGACACTCCCAGGTCAAATCGCCAGTGGGCAGAAAAGATCA
AGGTCAAGATCACCACATGAGGCTGGTTTTGTGTTTACTTGAAGGGCTACCATTGAAAGCAAAAACA
AACATGTCATTGATTTTTTAAAAAGCTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCCAA
TGGGAAAGCAACTGGCGAAGGCTTTGTAGAGTTCAGAAAATGAGGCTGACTATAAGGCTGCTGTGTGCT
CATAAACAGTACATGGGCAATCGCTTTATTCAAGTTTCACTCAATTAAGAAAGGTATGCTAGAAAAGA
TAGATATGATTCGAAAAAGACTGCAGAACTTCAGCTATGACCAGAGGGAAATGATACTAAATCCAGAGGG
GGATGTCAACTCTGCCAAAGTCTGTGCCACATAACAAATATTCCATTACAGCATTACAAAGATGGATGTT
CTTCAGTTCCTAGAAGGAATCCCAGTGGATGAAAATGCTGTACATGTTCTTGTGATAACAATGGGCAAG
GTCTAGGACAGGCATTGGTTTCAAGTTTAAAAATGAAGATGATGCACGTAAGTCTGAACGCTTACACCGTAA
AAAACCTAATGGGAGAGAAGCTTTTGTTCATGTAGTTACCCTAGAAGATATGAGAGAGATTGAGAAAAAT
CCCCCTGCCAAGGAAAAAGGGATTAAGATGCCTGTGCCAGGTAACTCTGCAGTTCAGGAATGCCCA
ATGCGGGACTGCCCGGTGTGGGACTGCCAGTGCAGGACTTCCCGGTGCAGGCCTGCCACAGCAGGACT
GCCTGGTTCAGCAATAACCAGTGCAGGACTGCCTGGTGCGGGAATGCCAGTGCAGGAATACCTAGTGCA
GGAGGTGAAGAGCATGCCTTCTGACTGTAGGATCAAAGGAAGCCAATAATGGGCCTCCATTTAACTTTC
CTGGTAATTTTGGTGGATCAAATGCCTTTGGGCCACCAATCCCTCCTCCAGGATTAGGAGGCGGGCCTT
TGGTGTGCTAGGCCTGGTATGCCTTCAAGTGGAAACAGTGGTTTGCCTGGTCTAGGACTGGATGTTCCG
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ATGGCCCTGGTAGCTTAGGCGGTCCCCGGGGTTTGAAGTGGCCCTCCTGGTCTTGAAGTGGCCCTGG
GCATTTGGGTGGCCACCAGCTTTTGGGCTGGCCCCGGCCCCGGCCCTGGCCCAATCCATATT
GGTGGTCCCCCTGGCTTTCATCTAGTTCTGAAAACAGGACCGACAGTAATTAAGTGAACAAATGC
CCTTACTGTGTCTATTGATGAGATTTTATGTTTCTTTTATGGCTATCAAGTAATCCAGGCTCAGTGTG
TTTAAAAATAAATGAAAAAGGTATGCCACAGGTGAAGCCATGGTGGCCTTTGAGTCTCGGGATGAAGCC
ACAGCTGCTGTCATTGACTTAAATGACAGGCTATAGGTTCAAGAAAAGTAAAACCTGTATTAGGGTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_152838 unedited GCACGAGGGTTGCCACAGGATTGACTTGGCCTCTACTTCTTGTTAAGGAAATTCATCTC TTGTTTTATCAGGTGTGTGGTTTCAGCGCAGCATGGCTGTGGTCATCCGTTTGCAAGG TCTCCAAATTGTGGCGGGGACCATGGACATTCGCCACTTCTTCTCTGGATTGACCATTCC TGATGGGGCGTGCATATTGTAGGGGTGAACTGGGTGAGGCTTTCATCGTTTTTGCCAC TGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGTTACAATTAAGGGTCAAAAGT AACACTATTGTTGAGTAGTAAGACGGAATGCAGAATATGATTGAAGTGAAGTGTAGGCG TTTTGAAACTGCCAAGCTTAGATATACCACCAGCAAATGCCAGTAGATCAGGACCACCACC TAGCTCAGGAATGAGTAGCAGGGTAAACTTGCCACAACAGTATCCAACCTTAATAATCC ATCACCCAGTGTAGTTACTGCCACCCTTCTGTTTATGAAAGCAACAAAAACATACAGAC ATTTTCCACAGCCAGCGTANGAACAGCTCCTCAAATATGGGGGCTTCTTTGGGAGCCC AACGTTTAGCTCAACTGTTCCAAGCACAGCCTCTCCAATGAACACAGTCCCGCCGCCACC AATTCCTCCAATCCAGCGATGCCATCT
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_152838 unedited NTGGCATCGTGNATTGGNGGATTGGTGGCGCGGGCCTGTGTTTATTGGAGAGGCTG TGCTTGGAACAGTTGAGCTAAACGTTGGGCTCCCAAAGGAAGCCCCCATATTTGGAGGAG CTGTTCTACGCTGGCTGTGAAAATGTCTGTATGTTTTTGTGCTTTCATGAACAGAAG TGGTGGCAGTAACTACTGGGTGATGGATTATTAAGTTGGATACTGTTGTGGGCAAGT TTACCCTGCTACTCATTCTGAGCTAGGTGGTGGTCTGATCTACTGGCATTGCTGGT GTATATCTAAGTTGGCAGTTTCAAACGCCTACGACTCAGTTCATCATATTCTGCATTT CCGTCTTACTACTCAACAATAGTGTACTTTTGACCCTTAAATTGTACCACCTGTGCGCA TCATACCAAGCCTTGATCTTTCATCAGTGGCAAACAGTGAAGCCTCACCCAGTTCAC CCCTACAATATGCACGCCCCATCAGGAATGGTCAATCCAGAGAAGAAGTGGCGAATGT CCATGGTCCCCGCCACAATTGGGAGACCTTGCAAACGGATGACCACAGCCATGCTGCGCT GAAACCACACACCTGATAAAACAAGAGATGAATTTCTTAACAAGAAGTAGAGGCCAA GTCAATCTGTGGCAACCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTA CAAAATCTGACGGNTCACTAAACGAGCTCTGCTTATATAGACCTCCNACCGTACACGCC TACCGNCCATTGCGTCAACGGNGCGGNTATTACGACATTNTGNAAAGTCCCNGTGATT TTGGTGCCAAACAAATCCNATTGACGTCAATGGGGTGGAGACTTNGAAATCCCCGTGAGT CAAACGCTATCCACGCCATNGTGTACTGCCCAAACGCATCACCATGGTANAGCGATGAC TAATCCTANATGTCTGCCAGTAGAAAGTCCGTAAGGTATGTCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152838
<b>Insert Size:</b>	730 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_152838.2](#), [NP\\_690051.1](#)

**RefSeq Size:** 6608 bp

**RefSeq ORF:** 2799 bp

**Locus ID:** 10137

**UniProt ID:** [Q9NTZ6](#)

**Cytogenetics:** 20q11.22

**Domains:** RRM

**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]  
Transcript Variant: This variant (2) uses a different splice site in the 5' UTR, compared to variant 1. All variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.