

Product datasheet for **SC110124**

RBM12 (NM_006047) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM12 (NM_006047) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM12
Synonyms:	HRIHFB2091; SCZD19; SWAN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006047, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTGGTCATCCGTTTGAAGGTCTCCCAATTGTGGCGGGGACCATGGACATTCGCCACTTCTTCT
CTGGATTGACCATTCTGATGGGGCGTGCAATTGTAGGGGTGAACTGGGTGAGGCTTTCATCGTTTT
TGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGGTACAATTAAGGGTCAAAGTAACA
CTATTGTTGAGTAGTAAGACGGAATGCAGAATATGATTGAACTGAGTCGTAGGCGTTTTGAACTGCCA
ACTTAGATATAACCACCAGCAAATGCCAGTAGATCAGGACCACCACCTAGCTCAGGAATGAGTAGCAGGGT
AAACTTGCCACAACAGTATCCAACCTTAATAATCCATCACCCAGTGTAGTTACTGCCACCACCTTCTGTT
CATGAAAGCAACAAAACATACAGACATTTCCACAGCCAGCGTAGGAACAGCTCCTCAAATATGGGGG
CTTCTTTGGGAGCCCAACGTTTAGCTCAACTGTTCCAAGCACAGCCTCTCCAATGAACACAGTCCC GCC
GCCACCAATTCTCCAATCCAGCGATGCCATCTGCCCACCAATGCCATCCATCCCCCAATCCAGTT
CCTCCTCCAGTACCTACATTGCCTCCTGTGCCTCCTGTGCCCCCGATTCCCCCAGTTCCTCTGTGCCAC
CCATGACCCCACTGCCACCCATGTCGGGCATGCCGCCCTGAATCCGCCACCTGTGGCACCTCTACCTGC
TGGAAATGAATGGCTCTGGAGCACCTATGAATTTGAACAATAATCTGAATCCTATGTTTCTTGGTCCGTTG
AATCCTGTAAACCTATCCAGATGAACTCTCAGAGCAGTGTGAAGCCACTCCCCATCAACCTGATGATC
TGTATGTCAGTGTGCATGGAATGCCCTTTCTGCAATGGAAAATGATGTCAGAGATTTTTTTCATGGGCT
CCGTGTTGATGCAGTGCATTTGTTGAAAGATCATGTAGGTCGAAAATAATGGGAATGGATTGGTTAAGTTT
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TTAGCCCTGCCACAGAAAGACAGTGGGTAGCTGCTGGAGGCCATACACTTTTAAGCAAAATATGGGACC
TTCTGGACAACTCATCCCCCTCCTCAGACACTCCCAGGTCAAATCGCCCACTGGGCAGAAAAGATCA
AGGTCAAGATCACCACATGAGGCTGGTTTTGTGTTTACTTGAAGGGCTACCATTGAAGCAGAAAACA
AACATGTCATTGATTTTTTAAAAAGCTGGATATTGTGGAAGATAGTATTTATATAGCTTATGGACCCAA
TGGGAAAGCAACTGGCGAAGGCTTTGTAGAGTTCAGAAAATGAGGCTGACTATAAGGCTGCTGTGTGCT
CATAAACAGTACATGGGCAATCGCTTTATTCAAGTTTCACTCAATTAAGAAAAGGTATGCTAGAAAAGA
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GTCTAGGACAGGCATTGGTTCAGTTTAAAAATGAAGATGATGCACGTAAGTCTGAACGCTTACACCGTAA
AAAACCTAATGGGAGAGAAGCTTTGTTCATGTAGTTACCCTAGAAGATATGAGAGAGATTGAGAAAAAT
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ATGCGGGACTGCCCGGTGTGGGACTGCCAGTGCAGGACTTCCCGGTGCAGGCCTGCCACAGCAGGACT
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CTGGTAATTTTGGTGGATCAAATGCCTTTGGGCCACCAATCCCTCCTCCAGGATTAGGAGGCGGGCCTT
TGGTGTGCTAGGCCTGGTATGCCTTCAAGTGGAAACAGTGGTTTGCCTGGTCTAGGACTGGATGTTCCG
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GGTGGTCCCCCTGGCTTTCATCTAGTTCTGAAAACAGGACCGACAGTAATTAAGTGAACAAATGC
CCTTACTGTGTCTATTGATGAGATTTTAGATTTCTTTATGGCTATCAAGTAATCCCAGGCTCAGTGTG
TTTAAAAATAAATGAAAAGGTATGCCACAGGTGAAGCCATGGTGGCCTTTGAGTCTCGGGATGAAGCC
ACAGCTGCTGTCATTGACTTAAATGACAGGCTATAGGTTCAAGAAAAGTAAAACCTGTATTAGGGTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006047 unedited
 NNNTGGTCAAATTTTGTATACGATTCACTATAGGCGGCCGCAATTCGCACGAGGGTGGT
 GGCTGCGTTGGGCTCCGGGAAGCCGTTCCGGCTGGGGCTGTCGGCCGCGGGGCGGAGGCA
 CTCGCGCGGGGGTAATTCGGGGTCTGGGTTCTGGTGCCGCGCAGCTTCCCCGTCTAAA
 AGTTGGTTTTAATTGGTTGCCACAGGATTGACTTGGCCTCTACTTCTTGTTAAGGAAAT
 TCATCTCTTGTTTATCAGGTGTGTGGTTTCAGCGCAGCATGGCTGTGGTCATCCGTT
 TGCAAGGTCTCCAATTGTGGCGGGACCATTGGACATTCGCCACTTCTTCTGGATTGA
 CCATTCTGTATGGGGCGTGCATATTGTAGGGGTGAAC TGGGTGAGGCTTTCATCGTTT
 TTGCCACTGATGAAGATGCAAGGCTTGGTATGATGCGCACAGGTGTACAATTAAGGGT
 CAAAAGTAACTATTGTTGAGTAGTAAGACGAAATGCAGAATATGATTGAACTGAGTC
 GTAGGCGTTTTGAACTGCCAATTAGATATACCACCAGCAAATGCCAGTAGATCAGGAC
 CACCACCTAGCTCAGGAATGAGTAGCAGGGTAACTTGCCACAACAGTATCCAACCTTA
 ATAATCCATCACCAGTGTAGTTACTGCCACCCTTCTGTTTCATGANAGCAACAAAAACA
 TACAGACATTTCCACAGCCAGCGTANGAACAGCTCNCTCCAATATGGGGGCTTCTTTN
 GGAGCCCAACGTTTAGCTCAACTGGTCCCAGCACAGNCCTCTCCATGAACACAGTCCCGN
 CGCCACCAATTCCTNCCATTTACAGCGATGCCATCTCTGNCACCATGCCATNCATTNNCC
 AATCCANTNNCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006047 unedited
 CTTGGACCCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTGAATCTGTATA
 CAGAAATTTTATTCAATTTTAAAAGAAAAGAGGACTTTAGACAAAGCTTTACCCTATAAC
 AAAGCAAATCTGTCCAGCTTTAAACCAAATCTGAGAGTAGCCAACCTTCTATTTTCAGCA
 GCTGGCAAGAGCACCTCAATGAGTTCTACTGACATTTCTATTTTCTTATCCCATATGG
 TATAAAACAAAACCAATCTAGACTCCTTGATAAGCTTTATGTGGTCATTTGAGTTTTACA
 AATGGTTTCTCTAATGGTATGCCAAAATCATTTATGTGTTCTCTCCAGATAGCTTTACTG
 TAACATACAGCAATGTTTATCCTGGTGAGTGAGTCTTCTGTAAACAGTCAACCAATGCTC
 TATGTTATGGAACCAAGCTATATGCAATTGAAACAATCCACAGGTTCTAACCTGGAAAT
 ACTAGGAAAACAATCTGGATGCATTAATCACAGCAATATGAAGATCTACCCTATAAAAAA
 TGATGTGAATGGTACCCTAATAACAAGTTTTACTTTTTCTTGAACCTATAGGCCTGTCAAT
 TAAGTCAATGACAGCAGCTGTGGCTTTCATCCCGAGACTCAAAGGCCACCATGGCTTCACC
 TGTGGGCATACCTTTTTTATTGATTTTTAAACACTGAGCCTGGGATTACTTGATAGCC
 ATAAAAGAAATCTAAAATCTCATCAATAGACACAGTAAAGGGCATGGTTTGCACCTATT
 ACTGTNCGTCTGGGTTTCCAGACTAGATGCAAGCCAGGGGACCACCATATGGATTGGCC
 CAGGCCCGGGCCCGGGCCGNGCCAGCCCAAAGCTGGGGGCCACCCAATGCCAGGGCC
 CTTCCAGACCAGAGGGCACTTCCAAACCCGGGGACGCCTAGCTACAGGGCATTTCAAATC
 TGAGGCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_006047

Insert Size:

3420 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_006047.4](#), [NP_006038.2](#)

RefSeq Size: 6640 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 (1) is the predominant transcript. 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.