

Product datasheet for **SC301064**

RBM Y1B (NM_001006121) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM Y1B (NM_001006121) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM Y1B
Synonyms:	RBM Y1D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC301064 representing NM_001006121.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTAGAAGCAGATCATCCTGGCAAGCTTTTCATTGGTGGCCTCAATAGAGAAACCAATGAGAAGATG
CTTAAAGCAGTATTTGGGAAACATGGTCCCATATCAGAAGTTCTTTTGATAAAGGATCGAACAGCAAA
TCCAGAGGCTTTGCATTTATTACTTTTGGAACCTGCAGATGCTAAGAATGCTGCCAAAGATATGAAT
GGAAAGCTTTGCATGGAAAAGCAATAAAAGTAGAACAAGCCAAGAAACCATCTTTTCAAAGTGGTGGT
AGGCGGAGACCACCGCTTCTCGAGAAACAGAAGCCCTTCAGGAAGTCTGAGATCTGCAAGAGGAAGC
CGTGGAGGAACAAGAGGGTGGCTTCCCTCACAAGAAGGGCACCTGGATGATGGTGGATACACTCCTGAT
CTCAAGATGAGTTATTCTAGGGGACTCATTCCAGTTAAAAGAGGTCCATCTTCAAGAAAGTGGAGTCCCT
CCTCCGAAAAAATCTGCTCCTTCTGCTGTGGCAAGAAGCAATAGTTGGATGGGAAGCCAAGGTCCCATG
TCACAAAGAAGAGAGAATTATGGAGTTCCTCCACGCAGAGCGACAATATCTTCTGGAGAAATGATCGC
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TATGCTCCACCATCTAGAGGCTATGCATACCGTGATAATGGTCATTCTAATCGGGATGAACATTCCTCT
AGAGGATATAGAAATCATCGAAGTTCCCGAGAACTAGGGATTATGCTCCACCATCTAGAGGCCATGCA
TACCGTGATTATGGTCATTCTCGTCGGGATGAAAGTTATTCTAGAGGATACAGAAATCGTCGAAGTTCC
CGAGAACTAGGGAGTATGCTCCACCATCTAGAGGCCATGGATACCGTGATTATGGTCATTCTCGTCGA
CATGAAAGTTATTCTAGAGGATATAGAAATCATCCAAGTTCCCGAGAAACGAGGGATTATGCTCCACCA
CATAGAGACTATGCATACCGTGATTATGGTCATTCTAGTTGGGATGAACATTCCTCTAGAGGATATAGT
TATCATGATGGCTACGGTGAGGCCCTTGGTAGAGATCATTCTGAACATCTAAGTGAAGTTCTTATAGA
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GGAAGCACCTGCCACGCATATAGTAATACACGAGATAGATATGGCAGAAGTTGGGAGAGTTACTCGAGC
TGTGGTATTTTCAATTATTGTGATCGTGAGCATGTTTGCAGAAAAGACCAAGGAATCCGCCTTCTCTG
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GGGAGAGTCTGATCTGAAAAAGGAGACTCGAGCAGATATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001006121

Insert Size: 1491 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001006121.3](#)

RefSeq Size: 1689 bp

RefSeq ORF: 1491 bp

Locus ID: 378948

UniProt ID: [A6NDE4](#)

Cytogenetics: Yq11.223

MW: 55.8 kDa

Gene Summary: This gene encodes a protein containing an RNA-binding motif in the N-terminus and four SRGY (serine, arginine, glycine, tyrosine) boxes in the C-terminus. This protein likely functions as a splicing factor during spermatogenesis. Multiple closely related paralogs of this gene are found in a gene cluster in the AZFb azoospermia factor region of chromosome Y. Most of these related copies are thought to be pseudogenes, though several likely encode functional proteins. [provided by RefSeq, Mar 2016]