

Product datasheet for **SC304929**

RBM25 (NM_021239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM25 (NM_021239) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM25
Synonyms:	fSAP94; NET52; RED120; RNPC7; S164; Snu71
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_021239 edited
 GCGAAGGCAGTACCGTTTCCTCAGCGGGGACTGCTGCAGTAAGAATGTCTTTCCACCT
 CATTTGAATCGCCCTCCCATGGGAATCCCAGCACTCCCACCAGGGATCCCACCCCGCAG
 TTTCCAGGATTTCTCCACCTGTACCTCCAGGGACCCCAATGATTCTGTACCAATGAGC
 ATTATGGCTCCTGCTCCAACGTCTTAGTACCCACTGTGTCTATGGTTGGAAAGCATTTG
 GGCGCAAGAAAGGATCATCCAGGCTTAAGGCTAAAGAAAATGATGAAAATTTGGTCTCT
 ACTACCCTGTTTTTTGGCAACATTTCCGAGAAAGCTTCAGACATGCTTATAAGACAA
 CTCTTAGCTAAATGTGGTTTGGTTTTGAGCTGGAAGAGAGTACAAGGTGCTTCCGAAAG
 CTTCAAGCCTTCGGATTCTGTGAGTACAAGGAGCCAGAATCTACCCTCCGTGCACTCAGA
 TTATTACATGACCTGCAAATGGAGAGAAAAAGCTACTCGTTAAAGTTGATGCAAAGACA
 AAGGCACAGCTGGATGAATGGAAAGCAAAGAAGAAAGCTTCTAATGGGAATGCAAGGCCA
 GAAACTGTCACTAATGACGATGAAGAAGCCTTGGATGAAGAAACAAGAGGAGAGATCAG
 ATGATTAAGGGGCTATTGAAGTTTTAATTCGTGAATACTCCAGTGAGCTAAATGCCCC
 TCACAGGAATCTGATTCTCACCCAGGAAGAAGAAGGAAAAGAAGGAGGACATTTTC
 CGCAGATTTCCAGTGGCCCACTGATCCCTTATCCACTCATCACTAAGGAGGATATAAT
 GCTATAGAAAATGGAAGAAGACAAAAGAGACCTGATATCTCGAGAGATCAGCAAATTCAGA
 GACACACATAAGAACTGGAAGAAGAGAAAGGCAAAAAGGAAAAAGAAAGACAGGAAATT
 GAGAAAGAACGGAGAGAAAGAGAGAGGGAGCGTAAAAGGGAACGAGAAAGGCGAGAACGG
 GAACGAGAAAGGGAAAGAGAACGTGAACGAGAAAGGAGAAAGAACGGGAGCGGGAACGA
 GAACGGGATAGGGACCGTGACCGGACAAAAGAGAGAGACCCGAGATCGGGATCGAGAGAGA
 GATCGTGACCGGGATAGAGAAAGGAGCTCAGATCGTAATAAGGATCGCAGTCGATCAAGA
 GAAAAAGCAGAGATCGTGAAGGGAACGAGAGCGGAAAAGAGAGAGAGAGAGAGAACGA
 GAGCGGAACGAGAACGGGAGCGAGAGAGAGAGCGGAGAGAGGGAACGGGAGCGGAAAGA
 GAAAAAGACAAAAACGGGACCGAGAGAAGATGAAGAAGATGCATACGAACGAAGAAAA
 CTTGAAAGAAAACCTCCGAGAGAAAGAAGCTGCTTATCAAGAGCGCCTTAAGAATTGGGAA
 ATCAGAGAACGAAAGAAAACCCGGGAATATGAGAAAGAAGCTGAAAGAGAAGAAGAAAGA
 AGAAGAGAAATGGCCAAAGAAGCTAAACGACTAAAAGAATTCTTAGAAGACTATGATGAT
 GATAGAGATGACCCCAAATATTACAGAGGAAGTCTTTCAGAAAAGGTTGCGTGATAGA
 GAAAAGGAAATGGAAGCAGATGAACGAGATAGGAAGAGAGAGAAGGAGGAGCTTGAGGAA
 ATCAGGCAGCGCCTTCTGGCAGAAGGGCATCCAGATCCAGATGCAGAGCTCCAGAGGATG
 GAACAAGAGGCTGAGAGGCGCAGGCAGCCACAAATAAGCAAGAGCCAGAATCAGAAGAG
 GAGGAAGAAGAAAAGCAAGAAAAAGAAGAAAAACGAGAAGAACCATGGAAGAGGAAGAG
 GAGCCAGAGCAAAAGCCTTGTCTGAAACCTACTCTGAGGCCCATCAGCTCTGCTCCATCT
 GTTTCCTCTGCCAGTGGCAATGCAACACCTAACCTCCTGGGGATGAGTCTCCCTGTGGT
 ATTATTATTCCTCATGAAAACCTACCAGATCAACAGCAACCTGAGGAGCATAGGCCAAAA
 ATAGGACTAAGTCTTAACTGGGTGCTTCCAATAGTCCTGGTCAGCCTAATTCTGTGAAG
 AGAAAGAACTACCTGTAGATAGTGTCTTAAACAAATTTGAGGATGAAGACAGTGATGAC
 GTACCCCGAAAAAGGAACTGGTTCCCTTGGATTATGGTGAAGATGATAAAAATGCAACC
 AAAGCAGCTGTAACACTGAAGAAAAGCGTAAACACATTAAGAGTCTCATTGAGAAAATC
 CCTACAGCCAAAACCTGAGCTCTTCGCTTATCCCCTGGATTGGTCTATTGTGGATTCTATA
 CTGATGGAACGTGCAATTAGACCATGGATTAATAAGAAAATCATAGAATATATAGGTGAA
 GAAGAAGTACATTAGTTGATTTTGTGTTCTAAGGTTATGGCTCATAGTTACCCCGAG
 AGCATTTTAGATGATGTTGCCATGGTACTTGATGAAGAAGCAGAAGTTTTTATAGTCAAA
 ATGTGGAGATTATTGATATATGAAACAGAAGCCAAGAAAATTTGGTCTTGTGAAGTAAAC
 TTTTTATTTAGAGTTCCATTTTCAGATTTCTTCTTTGCCACCCTTTTAAGGACTTTGAA
 TTTTTCTTTGCTTTGAAGACATTGTGAGATCTGTAATTTTTTTTTTTTTTTGTAGAAAAT
 GTGAATTTTTTGGTCCTAATTTGTTGTTGCCCTGTGTACTC

Restriction Sites: Please inquire

ACCN: NM_021239

Insert Size: 2700 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_021239.1.
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:	<ol style="list-style-type: none">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:	<u>NM_021239.1, NP_067062.1</u>
RefSeq Size:	4189 bp
RefSeq ORF:	2532 bp
Locus ID:	58517
UniProt ID:	<u>P49756</u>
Cytogenetics:	14q24.2
Protein Pathways:	Spliceosome
Gene Summary:	RNA-binding protein that acts as a regulator of alternative pre-mRNA splicing. Involved in apoptotic cell death through the regulation of the apoptotic factor BCL2L1 isoform expression. Modulates the ratio of proapoptotic BCL2L1 isoform S to antiapoptotic BCL2L1 isoform L mRNA expression. When overexpressed, stimulates proapoptotic BCL2L1 isoform S 5'-splice site (5'-ss) selection, whereas its depletion caused the accumulation of antiapoptotic BCL2L1 isoform L. Promotes BCL2L1 isoform S 5'-ss usage through the 5'-CGGGCA-3' RNA sequence. Its association with LUC7L3 promotes U1 snRNP binding to a weak 5' ss in a 5'-CGGGCA-3'-dependent manner. Binds to the exonic splicing enhancer 5'-CGGGCA-3' RNA sequence located within exon 2 of the BCL2L1 pre-mRNA. Also involved in the generation of an abnormal and truncated splice form of SCN5A in heart failure.[UniProtKB/Swiss-Prot Function]