

Product datasheet for **SC108570**

RBM14 (NM_006328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM14 (NM_006328) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM14
Synonyms:	COAA; PSP2; SIP; SYTIP1; TMEM137
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_006328, the custom clone sequence may differ by one or more nucleotides

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ATGAAGATATTCGTGGGCAACGTCGACGGGGCGGATACGACTCCGGAGGAGCTGGCAGCCCTCTTTGCGC
CCTACGGCACGGTCATGAGCTGCGCCGTATGAAACAGTTCGCCTTCGTGCACATGCGCGAGAACGCGGG
CGCGCTGCGGCCATCGAAGCCCTGCACGGCCACGAGCTGCGGCCGGGGCGCGCTCGTGGTGGAGATG
TCGCGCCCAAGGCTCTTAATACTTGAAGATTTTCGTGGGCAATGTGTGGCTGCATGCACGAGCCAGG
AACTGCGCAGCCTCTTCGAGCGCCGCGGACGCGTCATCGAGTGTGACGTGGTGAAGACTACGCGTTTGT
TCACATGGAGAAGGAAGCAGATGCCAAAGCCGCAATCGCGCAGCTCAACGGCAAAGAAGTGAAGGGCAAG
CGCATCAACGTGGAACCTCCACCAAGGGTCAGAAGAAGGGCCCTGGCCTGGCTGTCCAGTCTGGGGACA
AGACCAAGAAACCAGGGGCTGGGGATACGGCCTCCCTGGAAGTGGTGGCTTCTCTGCCACCTTCGACTA
CCAGCAGGCTTTTGGCAACAGCACTGGTGGCTTGTATGGGCAAGCCCGTCAGCCACACCACCTTCTTT
GGTCGCGACCGCAGCCCTCTGCGCCGTTCACTCCCGAGCCTTATGTGGCTCCTCTGACGGCCAGC
CAGCTACCTACCGGGCCAGCCGTCGCTGTCAGTGGGAGCTGCCTACAGGGCCAGCCTTCTGCCTCTTT
GGGTGTTGGCTATCGGACTCAGCCCATGACAGCCAGGCAAGCCTTACCAGCCTCAGCCCTCTGTCTCC
CTTGGGGCACCATACAGGGGCCAGCTGGCTAGTCTAGCTCCCAGTCTGTGCAGCTTCTCACTCGGCC
CATATGGTGGAGCCAGCCCTCAGCCTCGGCCCTTCTCCTATGGGGGTGAGGCAGCTGCAGCTTCTTC
GCTCAACTCCTATGGGGTTCAGGGTTCCTCCCTTGCCCTATGGTAACCAGCCATCCTCTTACGGCGCC
CAGGCTGCCTTCTCCTATGGGGTTCGTGCAGCTGCTTCTCCTACAACACCCAGGGAGCAGCTTCTCCT
TAGGCTCCTACGGGGCTCAGGCAGCCTCCTATGGGGCCAGTCTGCAGCCTCCTCACTAGCTTATGGAGC
CCAGGCAGCTTCAATAATGCCAGCCCTCGCCCTTTACAATGCCAGTCTGCCCATATGCTGCACAG
CAGGCTGCTTCTACTCTTCCCAACCTGCTGCCTATGTGGCACAGCCAGCCACAGCTGCCTATGCCA
GCCAGCCAGCAGCTACGCGCACAAAGCCACTACCCCAATGGCTGGCTCCTATGGGGCCAGCCGTTGT
GCAGACCCAGCTGAATAGTTACGGGGCCCAAGCATCAATGGGCTTTTTCAGGCTCCTATGGGGTCTAGTCG
GCTGCTGCGGCCACTGGCTCCTATGGTGGCGCAGCAGCCTACGGGGCCCAACCTTCTGCCACCCTGGCAG
CTCCTTACCGCACTCAGTCATCAGCCTATTGGCTGCTTCTCCTATGCTGCCAGCAGCATCCCCAGGCTGC
TGCCTCCTACCGCGCCAGCCAGGCAATGCCTACGATGGGGCAGGTGAGCCGTCTGCAGCCTACCTGTCC
ATGTCCCAGGGGGCCGTTGCCAACGCCAACAGCACCCCGCCCTATGAGCGTACCCGCTCTCCCCAC
CCCGGGCCAGCTACGACGATCCCTACAAAAGGCTGTGCGCATGTCGAAAAGGTATGTTCCGACCGGGC
TTTAGCCGAGCTCTGTATTACCGCCGTTTATCAGAGTGCAGCTTTCGTTCCGCGCTCGCCGACAAAG
TCCTCGCTGGATTACCGTCGCTGCCCGATGCCATTCCGATTACGCACGCTATTCGGGCTCCTATAATG
ATTACCTGCGGGCGGCTCAGATGCACTCTGGCTACCAGCGCCGATGTAG
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006328 unedited
GTTTCGNCATTTGTAATACGACTCACTATAGGCGGCCGCGCATTCGGCAGCAGGGTTCGTTT
GGACGTCTTGCCGTGTCGCTGGAGGAGAGGTCCGGGCTCTCCAGGAAGGTGGCTGCGGCGA
CAAAATGAAGATATTCGTGGGCAACGTCGACGGGGCGGATACGACTCCGGAGGAGCTGGC
AGCCCTCTTTGCGCCCTACGGCACGGTCAATGAGCTGCGCCGTCATGAAACAGTTCGCCTT
CGTGCACATGCGCGAGAACGCGGGCGCGCTGCGCGCCATCGAAGCCCTGCACGGCCACGA
GCTGCGGCCGGGGCGCGCTCGTGGTGGAGATGTGCGGCCAAGGCTCTTAATACTTG
GAAGATTTTCGTGGGCAATGTGTCGGCTGCATGCACGAGCCAGGAAGTGCAGCAGCCTCTT
CGAGCGCCGCGGACGCGTCAATGAGTGTGACGTGGTGAAGGCTCTTGTGAGGATGGTGA
AGCTGTTTCATCGAAACCTGCCCGGGAGGTGGAGGGTGCAGTGCAGTGCAGTGGCGCCA
CTGCACTCTAGCCTGGGGCAGAGCAAGATTCATCTCACAAAAAATAAATAAATAAATAA
GACTCTAGATTGCGGCCGCGGTCAATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCT
GTGACCCTCTCCAGTGCCTCTCCTGCCCTGGAAGTTGCCACTCCCGTGCACACAGCC
TTGTCTCAAAAAANAAGTTGCATCATTTTGGCTGACTAGGTGTCCCTCTATTATATAG
GGAGTCGAAGCCGGCCCGCACCCGACCAAGGGCGCAGTTGGGGAAAAACCCGTAAGGCC
CCGCCGGGCTTTTGGGAACCCCGGAATGCACGGGCCAATCTTGCCTCACTGAAAT
CTCCCTCCTGGGTCCAGCGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006328 unedited GCGCCCCCGGCCCGCGCCTTCCCCTTCCCGACTTGCACCGGGCCGCCATCTACGATC CGTTTTTTTTTTTTTTTTTTGACAGGAATCTTGCTCTGTGCGCCAGGCTAGAGTGCAGTG GCGCCATCTCATCTCACTGCACCTCCACCTCCCGGGCAGGTTTCCGATGAACAGCTTC ACCATCCTGACAAGAGCCTTTACCACGTCACACTCGATGACGCGTCCGCGGCGCTCGAA GAGGCTGCGCAGCTCCTGGCTCGTGCATGCAGCCGACACATTGCCACGAAACTTTCCA AGTATTAAGAGGCCTTGGGCGCGACATCTCCACCACGAGCGCGGCCCGGCCGAGCTC GTGGCCGTGCAGGCTTCGATGGCGCGCAGCGCGCCCGCTTCTCGCGCATGTGCACGAA GGCAACTGTTTTATGACGGCGCAGCTCATGACCGTGCCGTAGGGCGCAAAGAGGGCTGC CAGCTCTCCGGAGTCGTATCCGCCCGTCGACGTTGCCACGAATATCTTCATTTTGGC GCCGACCCACCTTCTGGAGAGCCCGACCTCTCCTCCAGCGACAGGCAAGACGTTTGA ACGACCCCTCGTCCCGAAATCCCGCCGCCCTATAGTGAGCCGCACTACAAAATTCCT GACGGGTTACCTAAACCGAGCTCTGCTTATATAGACCTCCACCGTACAACGCCTACCG TCCATTTGCGTCAACGGGGCGGGTCTTACAACATTTCTGAAAGCCCCGTTGATTT TTGGTGCCAAACCAACTTCCATTGGCGGTACACGGGGGGAAACCTTGAAATTCCT CGTGAGCTAAACCGGTTTCCACGCCCATCGCGGGACGCCAAACCTCCTCACCATG GTCAAAACCGGAGACTTACCCGTAACATGTACCGCCACAATAGGAATACCCCGCAAGGG CATTGACCTGGCCATAATGCCAA
Restriction Sites:	NotI-NotI
ACCN:	NM_006328
Insert Size:	580 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:	<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_006328.2</u> , <u>NP_006319.1</u>
RefSeq Size:	2811 bp
RefSeq ORF:	2010 bp
Locus ID:	10432
UniProt ID:	<u>Q96PK6</u>
Cytogenetics:	11q13.2
Domains:	RRM

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transcription Factors

Gene Summary: This gene encodes a ribonucleoprotein that functions as a general nuclear coactivator, and an RNA splicing modulator. This protein contains two RNA recognition motifs (RRM) at the N-terminus, and multiple hexapeptide repeat domain at the C-terminus that interacts with thyroid hormone receptor-binding protein (TRBP), and is required for transcription activation. Alternatively spliced transcript variants encoding different isoforms (with opposing effects on transcription) have been described for this gene. [provided by RefSeq, Oct 2011]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as CoAA or coactivator activator).