

Product datasheet for **SC114416**

RBM19 (NM_016196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM19 (NM_016196) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBM19
Synonyms:	Mrd1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114416 sequence for NM_016196 edited (data generated by NextGen Sequencing)

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ATGTCGCGACTGATCGTGAAGAATCTCCGAATGGGATGAAGGAGGAGCGTTTCAGGCAG
CTGTTTGGCCGCTTCGGCACGCTGACAGACTGCAGCCTGAAGTTACCAAAGATGGCAAG
TTCCGCAAGTTTGGTTTTATTGGCTTCAAGTCCGAGGAAGAGGCCAGAAGGCACAGAAG
CATTTCACAAGAGCTTCATCGACACATCCCGGATCACAGTGGAGTTCTGCAAGTCATTC
GGGGACCCGGCCAAACCCAGAGCCTGGAGCAAACATGCCAGAAACCAAGCCAGCCCAAG
CAGCCTCCAAAAGACTCTACTACTCCAGAAATTAAGAAAGATGAGAAGAAGAAAAAGGTG
GCAGGTCAACTGGAGAAGCTGAAGGAGGATACAGAGTTCAGGAGTTTCTGTCAGTTCAT
CAGAGGCGGGCGCAGGCAGCCACTTGGGCGAATGATGGCCTGGATGCTGAGCCCTCGAAA
GGGAAGAGCAAGCCGGCCAGTGACTACCTGAACCTCGACTCCGATTCTGGGCAGGAGAGT
GAGGAGGAGGGAGCCGGGAGGACCTGGAAGAAGAGGCAAGCCTCGAACCAGGAGCAGCT
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GAGGCCGAGGAAGAGGATTCTCCGCCACCCAGTCTGCAGGAAAGAGACAGCAAGGGT
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GCCCGTTCAATGTACAGAGAAAAATGTTATGGAATTCCTGGCACCCCTGAAACCAAGTG
GCCATTGCAATTGTGAGAAACGCTCATGGGAATAAAACAGGATACATCTTTGTGGATTTC
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TACATCGAGGTGTTAGGAAAAAGAACGTCCTCCACCAAGGGTGCACCAAAGAATACC
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CTCTTCTCCAATATGGTCCCCTGTCTGAGCTCCACTACCCCATCGACAGCCTGACCAAG
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TCGGAGGTGGACGGGAGGATTCCAGGGCAGGATGCTCCACGTGTTACCATCTACCATC
AAGAAGGAAGCCAGCAGGATGCCAGTGCCTGGGATCGTCGTCTACAAGAAGAAGAAG

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GAGGCCAGGACAAAGCCAACAGTGCCAGCTCTCACAACCTGGAACACACTATTCATGGGG
CCGAATGCCGTGGCCGATGCCATCGCACAGAAGTACAACGCCACCAAGAGTCAAGTGTTT
GACCACGAGACCAAGGGCAGCGTGGCCGTGCGCGTGGCTCTGGGGGAAACCCAGCTCGTC
CAGGAAGTGCGGCGTTTTCTCATAGACAACGGGTGAGCCTGGATTCTTCAGCCAGGCT
GCAGCAGAGCGAAGCAAGACTGTGATTCTGGTCAAGAACCTCCCGCAGGCACCTTGGCG
GCCGAGCTGCAGGAGACGTTTGGCCATTTTGGCAGCCTGGGCCGCGTGTCTGCCAGAG
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TACGGGCGGAGGCTGGTGTGGAGTGGGCCGACTCCGAGGTGACCCTGCAGGCCCTGCGG
CGGAAGACGGCCGCTCACTTTACGAGCCCCGAAAGAAAAAGCGGTCTGTGGTGTGGAC
GAGATCTGGAGCAGCTGGAAGGCAGTGACAGCGACAGTGAGGAGCAGACCCTTCAGCTG
TGA

Clone variation with respect to NM_016196.3
1804 c=>g;1818 c=>g;2859 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016196 unedited
CCCATTTGTATACGACTCCTATAGGGCGGCCGATTCGGCACGAGGCTCGGTAAAGAGG
CGGCGCCAGGGCGGTAGCGTGAACCTTGGTGGAAGACGCTGACCAGTCGTGTTGGAATCA
AAACAGCGGGGACCCTGCGCCATGTGCGGACTGATCGTGAAGAATCTCCGAATGGGATG
AAGGAGGAGCGTTTCAGGCAGCTGTTTGCCGCTTCGGCACGCTGACAGACTGCAGCCTG
AAGTTCACCAAGATGGCAAGTTCGCAAGTTTGGTTTTATTGGCTTCAAGTCCGAGGAA
GAGGCCCAGAAGGCACAGAAGCATTTCAACAAGAGCTTCATCGACACATCCCGGATCACA
GTGGAGTTCTGCAAGTCATTGCGGGACCCGGCCAAACCCAGAGCCTGGAGCAAACATGCC
CAGAAACCAAGCCAGCCCAAGCAGCCTCCAAAAGACTCTACTACTCCAGAAATTAAGAAA
GATGAGAAGAAGAAAAAGGTGGCAGGTCAACTGGAGAAGCTGAAGGAGGATACAGAGTTC
CAGGAGTTTCTGTCAAGTCATCAGAGGCGGGCGCAGGCAGCCACTTGGGCGAATGATGGC
CTGGATGCTGAGCCCCTCGAAGGGAAGAGCAAGCCGGCCAGTGACTACCTGAACCTCGAC
TCCGATTTCTTGGCAGNAAAGTGAGGAAGAGGGAGCCCGNAGGACCTGCAAGAAGAGCCA
GCCTCGAACCAAGGCAGCTGTGCAGAAAGAGCTGTCTACATGNATTACCCACCATCCAA
GATGGTGAAGGCTGGGTGCTCTCTTCCTCGNNAGAAGAGCAAGTGAAGATGAACCGGGC
ACTGTGATGAAGGAGTGAGGCCGAGGAAGAGAATCCCTCCGCCCCCACTCTTGCCGAA
AAAACACCAAGGGTGCCGCCAGACCAGGGATGCCCTTGGAAAAAGACCTCCG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016196 unedited <pre> AACTTTGGGGACTTTTGGGCTTTCTTGGCTTGACTCACTTAATTCTGGCACTGTCTATC TGAGGTAGGCACAATTATCACCCCATTTCTAGAGAGAAAAACGAGGCTCAGCCAGGAT GTCATTAGTCTGAGGTCGCACCTCGGGGAATGGCGATGTCTAGATTGAGCTGAGTGAG ATGCAGTGCACTTCTTGTCTGCCCTCTCCGTCTGCCCTCTGCCCTGGTGTGGCACAGG CCCTTCCAGGCGGGAGGCTGCGTCTCAGGCTGGAGAAAATGTGAACACGGGCGCTGAGG GAAGCCTGGGGATGCTGCTGGCCAGCGGAGAGGACCTTGATGCATTTACAGGGCTCTGG GCCCCTGAGCAGAACGCGTCCACCATGAGTGACATCATTAGCTCAGCCAGGGAGCTTGG CATCTGGGCTTGAGCTCGATGCTTCATGAGCCGCTGGGAGGCTTCCCTGGGTGACTGAA CCAGGGCTCGTGGTCCCAAGTGACGAGGATGGGGCAGGACAGAGACCAAGTCCCAAGCCG TGAACAGTCCCTTGAAAGACATAGGTGGGAATTCTAGCTCAGCAGCCCTGGAGGGAGAG CAGGAACAGGGCTCAGCACCATGCCCGGCACTCTTCATGCATTACTGCGTTTATTCTCT CTAAAACCTTATGAAGTAAGAACTAGCTAGCAAGGGGAAGGCTGNGCCCNAGGAGATAAG GAAACTGGGCCAGGGTCTCCAGCTTGAGCTTGAGACGGGGTTTCATGTCCAAGCAGCC TGATGCCAGAGAGCTGGCCCTCGTNCCTTACCTCTCTGNGTGGGGGACAGGGGNAGCA NGGGTTCTAGCTCCCTGTGAGCTGTTCCAGTCTCTCTTCTACGGGGCTGCTCCCTGG GACTCTTCGGTGTGCTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016196
Insert Size:	4540 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:	<u>NM_016196.1</u> , <u>NP_057280.1</u>
RefSeq Size:	4148 bp
RefSeq ORF:	2883 bp
Locus ID:	9904
UniProt ID:	<u>Q9Y4C8</u>
Cytogenetics:	12q24.13-q24.21
Domains:	RRM, RRM_1

Gene Summary:

This gene encodes a nucleolar protein that contains six RNA-binding motifs. The encoded protein may be involved in regulating ribosome biogenesis. Multiple alternatively spliced variants, encoding the same protein, have been identified.[provided by RefSeq, Apr 2009]
Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.