

Product datasheet for **SC319246**

RBMS1 (NM_002897) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS1 (NM_002897) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBMS1
Synonyms:	C2orf12; HCC-4; MSSP; MSSP-1; MSSP-2; MSSP-3; SCR2; YC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002897.3
 GGTGGAGCAGCGGCAGCAGCAGCAGCCGCCGCCGCCGCCGCTGCCGCCGCCGCCGGA
 AAGGGAGAGGCAGGAGAGCCCGAGACTTGGAAACCCAAAGTGTCCGCGACCCCTGCACGG
 CAGGCTCCCTCCAGCTTCATGGGCAAAGTGTGGAAACAGCAGATGTACCCCTCAGTACGC
 CACCTACTATTACCCCAAGTATCTGCAAGCCAAGCAGTCTCTGGTCCCAGCCACCCCAT
 GGCCCCCTCCAGTCCCAGCACCACCAGCAGTAATAACAACAGTAGCAGCAGTAGCAACTC
 AGGATGGGATCAGCTCAGCAAAACGAACCTCTATATCCGAGGACTGCCTCCCCACACCAC
 CGACCAGGACCTGGTGAAGCTCTGTCAACCATATGGGAAAATAGTCTCCACAAAGGCAAT
 TTTGGATAAGACAACAAACAAATGCAAAGTTATGGTTTTGTGCGACTTTGACAGCCCTGC
 AGCAGCTCAAAAAGCTGTGTCTGCCCTGAAGGCCAGTGGGGTTCAAGCTCAAATGGCAAA
 GCAACAGGAACAAGATCTACCAACCTCTACATTTCTAATTTGCCACTCTCCATGGATGA
 GCAAGAACTAGAAAATATGCTCAAACCTTTGGACAAGTATTTTACAAGGATACTACG
 TGATTCCAGTGGTACAAGTCGTGGTGTGGCTTTGCTAGGATGGAATCAACAGAAAAATG
 TGAAGCTGTTATTGGTCATTTAATGGAAAATTTATTAAGACACCACCAGGATTTCTGC
 CCCCACAGAACCTTTATTGTGAAGTTTGTGCTGATGGAGGACAGAAAAGAGACAGAACCC
 AAACAAATACATCCCTAATGGAAGACCATGGCATAGAGAAGGAGAGGCTGGAATGACACT
 TACTTACGACCCAACTACAGCTGCTATACAGAACGGATTTTATCCTTCACCATACAGTAT
 TGCTACAAACCGAATGATCACTCAAACCTCTATTACACCTATATTGCATCTCCTGTATC
 TGCCCTACCAGGTGCAAAGTCCTTCGTGGATGCAACCTCAACCATATATTCTACAGCACCC
 TGGTGCCGTGTTAACTCCCTCAATGGAGCACACCATGTCACTACAGCCCGCATCAATGAT
 CAGCCCTCTGGCCAGCAGATGAGTCATCTGTCACTAGGCAGCACCGGAACATACATGCC
 TGCAACGTGAGTATGCAAGGAGCCTACTTGCCACAGTATGCACATATGCAGACGACAGC
 GGTTCCCTGTTGAGGAGGCAAGTGGTCAACAGCAGGTGGCTGTCGAGACGTCTAATGACCA
 TTCTCCATATACCTTTCAACCTAATAAGTAACTGTGAGATGTACAGAAAAGGTGTTCTTAC
 ATGAAGAAGGGTGTGAAGGCTGAACAATCATGGATTTTTCTGATCAATTGTGCTTTAGGA
 AATTATTGACAGTTTTGCACAGTTCTTGAAAACGTTATTTATAATGAAATCAACTAAAA
 CTATTTTTGCTATAAGTTCTATAAGGTGCATAAAACCCTTAAATTCATCTAGTAGCTGTT
 CCCCCGAACAGGTTTATTTTAGTAAAAAAAAAAAAACAAAAACAAAAACAAAAGATTTT
 ATCAAATGTTATGATGCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002897

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_002897.3](#), [NP_002888.1](#)

RefSeq Size: 2429 bp

RefSeq ORF: 1212 bp

Locus ID: 5937

UniProt ID: [P29558](#)

Cytogenetics: 2q24.2

Domains: RRM

Gene Summary: This gene encodes a member of a small family of proteins which bind single stranded DNA/RNA. These proteins are characterized by the presence of two sets of ribonucleoprotein consensus sequence (RNP-CS) that contain conserved motifs, RNP1 and RNP2, originally described in RNA binding proteins, and required for DNA binding. These proteins have been implicated in such diverse functions as DNA replication, gene transcription, cell cycle progression and apoptosis. Several transcript variants, resulting from alternative splicing and encoding different isoforms, have been described. A pseudogene for this locus is found on chromosome 12. [provided by RefSeq, Feb 2009]

Transcript Variant: This variant (3), also known as scr2, uses an alternate in-frame donor splice site at one of the coding exons compared to transcript variant 1. This results in a shorter isoform (c) missing a 3 aa segment in the middle region compared to isoform a.