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Product datasheet for SC118338

RBMS2 (NM_002898) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS2 (NM_002898) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBMS2
Synonyms:	SCR3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC118338 sequence for NM_002898 edited (data generated by NextGen Sequencing)

ATGCTGCTATCCGTGACTTCCAGGCCCGGGATTTCGACTTTTGGCTACAATAGAAACAAC
AAGAAGCCATATGTGTCACTGGCTCAGCAGATGGCACCACCTAGCCCAAGCAACAGTACA
CCTAACAGCAGTAGTGGAAGCAATGGAAATGACCAGCTGAGCAAAACCAACCTATACATC
CGAGGATTGCAACCAGGCACTACTGACCAAGATCTTGTCAAGCTGTGTCAGCCATATGGC
AAGATTGTTTCCACTAAGGCCATACTGGACAAGACCACAAACAAATGTAAAGGCTATGGC
TTTGTAGATTTTGACAGCCCTTCAGCAGCACAGAAAGCTGTAACAGCACTGAAGGCCAGC
GGTGTACAGGCACAGATGGCAAAGCAACAGGAACAGGACCCCACAAATTTATACATCTCA
AACCTCCCACTGTCAATGGATGAGCAGGAACTGGAGGGGATGCTGAAGCCCTTTGGCCAG
GTTATCTCCACCCGTATCCTTCGAGATACCAGTGGGACCAGCAGAGGTGTTGGCTTTGCA
AGGATGGAGTCCACAGAGAAGTGTGAAGCCATCATCACCCACTTTAATGGAAAATATATT
AAGACACCCCCTGGAGTACCAGCCCCATCCGATCCCTTGCTTTGCAAATTTGCTGATGGC
GGGCCAAAGAAACGACAGAACCAAGGAAAATTTGTGCAAAATGGACGGGCTTGGCCAAGG
AATGCAGACATGGGCGTCATGGCCTTGACCTATGACCCCACCACAGCTCTTCAGAATGGG
TTTTACCCAGCCCCCTATAACATCACCCCCAACAGGATGCTTGCTCAGTCTGCACTCTCC
CCATACCTTTCCTCTCCTGTGTCTTCGTATCAGAGAGTGACTCAGACATCTCCTCTACAA
GTACCTAACCCATCCTGGATGCACCACCATTCATACCTCATGCAGCCTTCAGGTTCAGTT
CTGACACCAGGGATGGACCATCCCATTTCTCTCCAGCCTGCCTCCATGATGGGACCCCTT
ACCCAGCAACTGGGCCATCTCTCCCTCAGCAGCACAGGCACGTATATGCCGACGGCTGCA
GCTATGCAAGGAGCTTACATCTCCCAGTACACCCCTGTGCCTTCTTCCAGTGTTTCAGTC
GAGGAGAGCAGCGGCCAACAGAACCAAGTGGCAGTGGACGCACCCTCAGAGCATGGGGTC
TATTCTTTCCAGTTCAACAAGTAA

Clone variation with respect to NM_002898.3
79 t=>c

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002898 unedited
AGAATTTGTATACGACTCACTATAGGGCGGCCGCGAATCGGCACGAGGGGCTCGTTCCCT
AACATTAAAGAGAAAAGCTGCTATCCGTGACTTCCAGGCCCGGGATTTCGACTTTTGGCT
ACAATAGAAACAACAAGAAGCCATATGTGTCACTGGCTCAGCAGATGGCACCACCTAGCC
CAAGCAACAGTACACCTAACAGCAGTAGTGGAAGCAATGGAAATGACCAGCTGAGCAAAA
CCAACCTATACATCCGAGGATTGCAACCAGGCACTACTGACCAAGATCTTGTCAAGCTGT
GTCAGCCATATGGCAAGATTGTTTCCACTAAGGCCATACTGGACAAGACCACAAACAAAT
GTAAAGGCTATGGCTTTGTAGATTTTGACAGCCCTTCAGCAGCACAGAAAGCTGTAACAG
CACTGAAGGCCAGCGGTGTACAGGCACAGATGGCAAAGCAACAGGAACAGGACCCCACAA
ATTTATACATCTCAAACCTCCCACTGTCAATGGATGAGCAGGAACTGGAGGGGATGCTGA
AGCCCTTTGGCCAGGTTATCTCCACCCGTATCCTTCGAGATACCAGTGGGACCAGCAGAG
GTGTTGGCTNTGCAAGGATGGAGTCCACAGAGAAGTGTGAAGCCATCATCACCCACTTTA
ATGGAAAATATATTAAGACACCCCCTGGAGTACCAGCCCCATCCGATCCCTTGGCTTTGC
AAATTGCTGATGGCGGGCCAAAGAAACGACAGAACCAAGGNAAAATTGTGCNAAATGGAC
GGGCCTTGGCCAGGNAATGCAGACATGGGCGTCATGGCCTTGACCTATGACCCCACACAG
CTCTCAGAATGGGTTNTACCCAGCCCCCTATACATCACCCCCACAAGATGCCTGCTCAGT
CTGCACTCTCCCATAACCTTCCTCTCCTGGGCCTTCGATCAAAAAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002898 unedited
TGTACGCGGCCGCAATCTAGTGTCGAGTTTTTTTTTTTTTTTTTAAAAGCTTCCCAATA
ATTCCATACATCGAAAACTTTTTCATATAGATGAGAAGCTACGACCACCATGTCTCTTCA
AGGTAGGGGAAAAGTACGTTGCAGTTAAAAACAAAAAGCTTTCTTTGCAAAAGAAGAAAA
GTTTTTTTGATCTCCTTGAATGTAGCACACAAAAAAAGTGATGGTTCCCCCAGGCTCCAT
CAGCAATAGTAAAGGGCAGGAACGTAGAGATTTCTTTTTCCAGGCCCAGGCCTGTGAAAA
ACGATGGCTAAGTGTTAGTCCTTATCAGGGCCGACGGATGGTCTCCATTCCTGGTTAACC
CTCTGGAATCTGGGAGCATGAGTATCTCCAAGAATTCATTTCTATTCAGTAAAGATGGGG
AGGGGAATCTGTTACTTGTTGAACTGGAAAGAATAGACCCCATGCTCTGAGGGTGCGTCC
ACTGCCACTTGGTTCTGTTGGCCGCTGCTCTCCTCGACTGAAACACTGGAAGAAGGCACA
GGGGTGTACTGGGAGATGTAAGCTCCTTGCATAGCTGCAGCCGTCGGCATATACGTGCCT
GTGCTGCTGATGGATATATGGCCCATTTGCTGGGTAAGGGGTCCCATCATGGNAGCAGGC
TGGAAATAAATGGGATGGTCCATCCCTGGTGTCAGAACTGAACCTGAAGGCTGCATGAGG
TATGAATGGTGGTGCATCCAGGATGGGTTAGGTACTTGTAAAGGAGATGTCTGATTCACT
CTCTGATACAATAACACCAGATAGAAAGGGTTGGGGAGAGTGCANACTGGACCAGCCTCC
TGGTGGGGTGATGTATAGGGGGCTGGTTAAACCATTCTGAAAACTGTGNAGGGTCATAAG
TAAGGCCTGACGCCATGTTTGATTCCTTGGCAAACCCGCCATTTGCACAATTTTCCTAGG
TTTGNCGTTCTTTTGGCCGCCTAANCAAATTGCAAGCAAGAT

Restriction Sites: NotI-NotI

ACCN: NM_002898

Insert Size: 1570 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:	NM_002898.2, NP_002889.1
RefSeq Size:	1997 bp
RefSeq ORF:	1224 bp
Locus ID:	5939
UniProt ID:	Q15434
Cytogenetics:	12q13.3
Domains:	RRM
Gene Summary:	The protein encoded by this gene is 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. The RBMS proteins have been implicated in such diverse functions as DNA replication, gene transcription, cell cycle progression and apoptosis. This protein was isolated by phenotypic complementation of cdc2 and cdc13 mutants of yeast and is thought to suppress cdc2 and cdc13 mutants through the induction of translation of cdc2. [provided by RefSeq, Jul 2008]