

Product datasheet for **RG221296**

RBMS1 (NM_016839) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS1 (NM_016839) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBMS1
Synonyms:	YC1, MSSP, SCR2, MSSP-1, MSSP-2, MSSP-3, MGC3331, MGC15146
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221296 representing NM_016839 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTCCCAGTCCCAGCACCACCAGCAGTAATAACAACAGTAGCAGCAGTAGCAACTCAGGATGGG
ATCAGCTCAGCAAAACGAACCTCTATATCCGAGGACTGCCTCCCCACACCACCGACCAGGACCTGGTGAA
GCTCTGTCAACCATATGGGAAAATAGTCTCCACAAAGGCAATTTGGATAAGACAACGAACAAATGCAA
GGTTATGGTTTTGTCGACTTTGACAGCCCTGCAGCAGCTCAAAAAGCTGTGTCTGCCCTGAAGGCCAGTG
GGTTCAAGCTCAAATGGCAAAGCAACAGGAACAAGATCTACCAACCTCTACATTTCTAATTTGCCACT
CTCCATGGATGAGCAAGAACTAGAAAATATGCTCAAACATTTGGACAAGTTATTTCTACAAGGATACTA
CGTGATTCCAGTGGTACAAGTCGTGGTGTGGCTTTGCTAGGATGGAATCAACAGAAAAATGTGAAGCTG
TTATTGGTCATTTAATGGAAAATTTAATAAGACACCACCAGGAGTTTCTGCCCCACAGAACCTTTATT
GTGTAAGTTTGTGATGGAGGACAGAAAAAGAGACAGAACCCAAACAAATACATCCCTAATGGAAGACCA
TGGCATAGAGAAGGAGAGGTGAGACTTGTGGAATGACTTACTTACGACCCAACTACAGCTGTATAC
AGAACGGATTTATCCTTACCATACAGTATTGCTACAAACCGAATGATCACTCAAACCTTCTATTACACC
CTATATTGCATCTCCTGTATCTGCCTACCAGGTGGCAAAGGAAACCAGAGAAAACAAGTATCGGGGCTCT
TAACTCCCTCAATGGAGCACACCATGTCACTACAGCCCGCATCAATGATCAGCCCTCGGCCAGCAGAT
GAGTCATCTGTCAGTACGACGACCCGGAACATACATGCCTGCAACGTCAGCTATGCAAGGAGCCTCTTG
CCACAGTATGCACATATGCAGACGACAGCGTTTCTGTTGAGGAGCAAGTGGTCAACAGCAGGTGGCTG
TCGAGACGTCTAATGACCATTCTCCATATACCTTTCAACCTAATAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221296 representing NM_016839
 Red=Cloning site Green=Tags(s)

MAPPSPSTTSSNNSSSSNSGWDQLSKTNLYIRGLPPHTTDQDLVKLCQPYGKIVSTKAILDKTTNKCK
 GYGFVDFDSPAQAQKAVSALKASGVQAQMAKQQEQDPTNLVISNLPLSMDEQELNMLKPFQVISTRIL
 RDSSTGSRGVGFARMESTEKCEAVIGHFNGKFIKTPPGVSAPTEPLLCKFADGGQKKRQNPKNYIPNGRP
 WHREGEVRLAGMTLTYDPTTAAIQNGFYPSYSIATNRMITQTSITPYIASPVSAAYQVAKETRENKYRGS
 AIKVQSPSWMQOPYIILQHPGAVLTPSMEHTMSLQPASMI SPLAQQMSHLSL GSTGTYPAT SAMQ GAYL
 PQYAHMQTTAVPVEEASGQQQVAVETSNDHSPYTFQPNK

TRTRPLE - GFP Tag - V

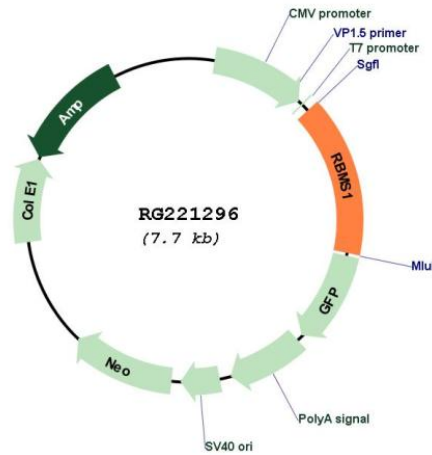
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_016839

ORF Size:	1167 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_016839.2 , NP_058523.1
RefSeq Size:	2596 bp
RefSeq ORF:	1169 bp
Locus ID:	5937
Cytogenetics:	2q24.2
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]