

Product datasheet for **RG203437**

RBMS1 (NM_016836) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RBMS1 (NM_016836) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RBMS1
Synonyms: C2orf12; HCC-4; MSSP; MSSP-1; MSSP-2; MSSP-3; SCR2; YC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203437 representing NM_016836
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAAGTGTGAAACAGCAGATGTACCCTCAGTACGCCACCTACTATTACCCCAAGTATCTGCAAG
CCAAGCAGTCTCTGGTCCCAGCCACCCCATGGCCCTCCAGTCCCAGCACCACCAGCAGTAATAACAA
CAGTAGCAGCAGTAGCAACTCAGGATGGGATCAGCTCAGCAAACGAACCTCTATATCCGAGGACTGCCT
CCCCACACCACCAGGACCTGGTGAAGCTCTGTCAACCATATGGGAAAATAGTCTCCACAAAGGCAA
TTTTGGATAAGACAACGAACAAATGCAAAGTTATGGTTTTGTCGACTTTGACAGCCCTGCAGCAGCTCA
AAAAGCTGTGTCTGCCCTGAAGGCCAGTGGGGTTCAAGCTCAAATGGCAAAGCAACAGGAACAAGATCCT
ACCAACCTCTACATTTCTAATTTGCCACTCTCCATGGATGAGCAAGAACTAGAAAATATGCTCAAACCAT
TTGGACAAGTTATTTCTACAAGGATACTACGTGATTCCAGTGGTACAAGTCGTGGTGTGGCTTTGCTAG
GATGGAATCAACAGAAAAATGTGAAGCTGTTATTGGTCATTTTAAATGGAAAATTTATTAAGACACCACCA
GGAGTTTCTGCCCCACAGAACCTTTATTGTGTAAGTTTGTCTGATGGAGGACAGAAAAAGAGACAGAACC
CAAACAAATACATCCCTAATGGAAGACCATGGCATAGAGAAGGAGAGGTGAGACTTGCTGGAATGACT
TACTTACGACCCAACTACAGCTGCTATACAGAACGGATTTTATCCTTCACCATACAGTATTGCTACAAAC
CGAATGATCACTCAAACCTTCTATTACACCCTATATTGCATCTCCTGTATCTGCCTACCAGGTGCAAAGT
CTTCGTGGATGCAACCTCAACCATATATTCTACAGCACCCCTGGTCCGTTAACTCCCTCAATGGAGCA
CACCATGTCACTACAGCCCGCATCAATGATCAGCCCTCTGGCCAGCAGATGAGTCATCTGTCACTAGGC
AGCACCAGCAACATACATGCCTGCAACGTGAGCTATGCAAGGAGCCTACTTGCCACAGTATGCACATATGC
AGACGACAGCGTTCTCTGTTGAGGAGGCAAGTGGTCAACAGCAGGTGGCTGTCGAGACGTCTAATGACCA
TTCTCCATATACCTTTCAACCTAATAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203437 representing NM_016836
 Red=Cloning site Green=Tags(s)

MGKVWKKQMPQYATYYYPQYLQAKQSLVPAHPMAPPSPSTTSSNNSSSSSSNSGWDQLSKTNLYIRGLP
 PHTTDQDLVKLCQPYGKIVSTKAILDKTTNKCKGYGFVDFDSPAQAQKAVSALKASGVQAQMAKQQEQDP
 TNLYISNLPLSMDEQELENMLKPFQVISTRILRDSSGTSRGGVGFARMESTEKCEAVIGHFNGKFIKTPP
 GVSAPTEPLLCKFADGGQKKRQNPKNYIPNGRPWHREGEVRLAGMTLTYDPTTAAIQNGFYSPYSIATN
 RMITQTSITPYIASPVSA YQVQSPSWMQPQPYILQHPGAVLTPSMEHTMSLQPASMISPLAQQMSHLSLG
 STGTYPATSAMQGAYLPQYAHMQTTAVPVEEASGQQQVAVETSNDHSPYTFQPNK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016836

ORF Size: 1218 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:

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_016836.4](#)

RefSeq Size: 2438 bp

RefSeq ORF: 1221 bp

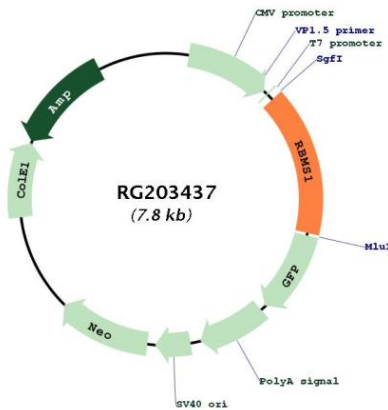
Locus ID: 5937

UniProt ID: [P29558](#)

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]

Product images:



Circular map for RG203437