

Product datasheet for **RG206581**

RBMS2 (NM_002898) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS2 (NM_002898) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBMS2
Synonyms:	SCR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206581 representing NM_002898 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCTATCCGTGACTTCCAGGCCCGGGATTTCGACTTTTGGCTACAATAGAAACAACAAGAAGCCAT
ATGTGTCAGTGGCTCAGCAGATGGCACCACCTAGCCCAAGCAACAGTACACCTAACAGCAGTAGTGAAG
CAATGGAAATGACCAGCTGAGCAAAACCAACCTATACATCCGAGGATTGCAACCAGGCACTACTGACCAA
GATCTTGCAAGCTGTGTCAGCCATATGGCAAGATTGTTCCACTAAGGCCATACTGGACAAGACCACAA
ACAAATGTAAAGGCTATGGCTTTGTAGATTTTGACAGCCCTTCAGCAGCACAGAAAGCTGTAAACAGCACT
GAAGGCCAGCGGTGTACAGGCACAGATGGCAAAGCAACAGGAACAGGACCCACAAATTTATACATCTCA
AACCTCCCACTGTCAATGGATGAGCAGGAACCTGGAGGGGATGCTGAAGCCCTTTGGCCAGGTTATCTCCA
CCCGTATCCTTCGAGATACCAAGTGGGACCAGCAGAGGTGTTGGCTTTGCAAGGATGGAGTCCACAGAGAA
GTGTGAAGCCATCATCACCACCTTTAATGGAAATATATTAAGACACCCCTGGAGTACCAGCCCCATCC
GATCCCTTGCTTTGCAAAATTTGCTGATGGCGGGCCAAAGAAACGACAGAACCAAGGAAATTTGTGCAAA
ATGGACGGGCTTGCCAAAGGAATGCAGACATGGGCGTCATGGCCTTGACCTATGACCCACACAGCTCT
TCAGAATGGGTTTTACCCAGCCCCCTATAACATCACCCCAACAGGATGCTTGCTCAGTCTGCACTCTCC
CCATACCTTTCTCTCTGTGTCTTCGTATCAGAGAGTGACTCAGACATCTCCTCTACAAGTACCTAACC
CATCTGGATGCACCAACATTACATACCTATGCAGCCTTCAGGTTTCAGTTCTGACACCAGGGATGGACCA
TCCCATTTCTCTCCAGCCTGCCTCCATGATGGGACCCCTTACCCAGCAACTGGGCCATCTCTCCCTCAGC
AGCACAGGCACGTATATGCCGACGGCTGCAGCTATGCAAGGAGCTTACATCTCCAGTACACCCCTGTGC
CTTCTTCAGTGTTCAGTCGAGGAGAGCAGCGGCCAACAGAACCAAGTGGCAGTGGACGCACCCTCAGA
GCATGGGGTCTATTCTTTCCAGTTCAACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206581 representing NM_002898
 Red=Cloning site Green=Tags(s)

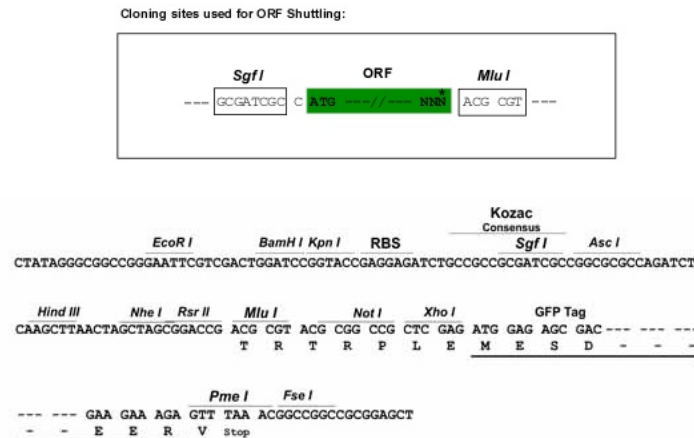
MLLSVTSRPGISTFGYNRNKKPYVSLAQQMAPPSPSNSTPNSSSGSNGNDQLSKTNLYIRGLQPGTTDQ
 DLVKLCQPYGKIIVSTKAILDKTTNKCKGYGFVDFDSPAQAQKAVTALKASGVQAQMAKQQEQDPTNLYIS
 NLPLSMDEQELEGMLKPFQGVISTRILRDTSGTSRGVGFARMESTEKCEAIITHFNGKYIKTPPGVPAPS
 DPLLCKFADGGPKKRQNGKFVQNGRAWPRNADMGVMALTYDPTTALQNGFYAPYINITPNRMLAQSALS
 PYLSSPVSSYQRVTQTSPLQVPNPSPWMMHHSYLMQPSGSLTPGMDHPISLQPAASMMGPLTQQLGHL SLS
 STGYMPTAAAMQGAYISQYTPVPSSSVSEESSGQQNVAVDAPSEHGVSFQFNK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_002898

ORF Size: 1221 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_002898.1](#)

RefSeq Size: 1997 bp

RefSeq ORF: 1224 bp

Locus ID: 5939

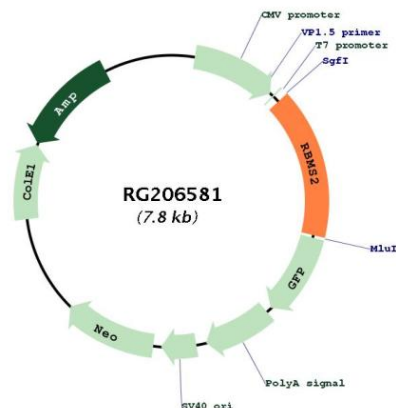
UniProt ID: [Q15434](#)

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]

Product images:



Circular map for RG206581