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Product datasheet for RG211441

RBMS3 (NM_001003793) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS3 (NM_001003793) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBMS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG211441 representing NM_001003793
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAAACGCCTGGATCAGCCACAAATGTACCCCCAGTACACTTACTACTATCCTCATTATCTCCAAA
CCAAGCAGTCCTATGCACCAGCTCCCCACCCCATGGCTCCTCCCAGCCCCAGCACAAACAGCAGCAGCAA
CAACAGCAGCAACAACAGCAGCGGGGAACAGTTGAGTAAAACCAACCTGTACATTCGAGGCCTCCCACCA
GGCACCACTGACCAGGACCTAATCAAGCTGTGCCAACCGTATGGAAAAATTGTATCTACAAAGGCAATTC
TTGACAAAAACACAAATCAGTGCAAAGGTTATGGTTTTGTAGATTTTGACAGTCCTGCAGCCGCACAGAA
AGCGGTAGCATCTCTCAAGGCAAATGGCGTGCAGGCACAGATGGCTAAGCAACAAGAGCAAGACCCAACA
AACCTATACATCTCAAATCTCCCCATTTCTATGGATGAGCAGGAGCTTGAGAATATGCTGAAACCCTTTG
GACATGTCATTTCCACAAGAATACTAAGAGACGCTAATGGAGTCAGCAGAGGTGTTGGCTTTGCCAGAAT
GGAGTCTACTGAAAAATGTGAAGTGGTAATTCAACATTTTAATGGAAAATATCTGAAAACACCACCAGGC
ATCCCAGCCCCCAGTGAGCCTTTGCTGTGCAAATTCGCTGATGGAGGACAAAAGAAGCGACAGAATCAAA
GCAAATATACCCAGAATGGGAGGCCTTGGCCCAGGGAAGGAGAGGCTGGCATGGCTTTGACCTATGACCC
CACAGCTGCCATACAGAATGGATTTTATTCTTCACCGTACAGTATTGCAACCAACCGCATGATTCCACAG
ACATCTATCACGCCATTCATTGCTGCTTCCCCTGTCTCCACATACCAGGTCCAGAGTACTTCATGGATGC
CTCATCCGCCATACGTTATGCAACCAACAGGTGCTGTGATTACACCAACCATGGACCATCCCATGTCAAT
GCAGCCAGCCAACATGATGGGCCCACTGACACAGCAGATGAATCACCTTTCGTTGGGCACAACAGGAACG
ATTCAATCCCAAGACAGGATTATGATACTCCACCAGCTGTTGTGTCAGTATATGACTGCTGCTGCTCCTA
TGCAAGGGACCTACATTCCTCAGTACACGCCTGTGCCTCCGACAGCTGTTTCTATTGAAGGTGTTGTTGC
TGATACCTCTCCCCAGACAGTGGCACCTTCATCCCAGGACACCAGTGGTCAGCAGCAACAGATAGCAGTG
GACACATCCAACGAACATGCACCTGCATATTCTTACCAACAGTCTAAACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

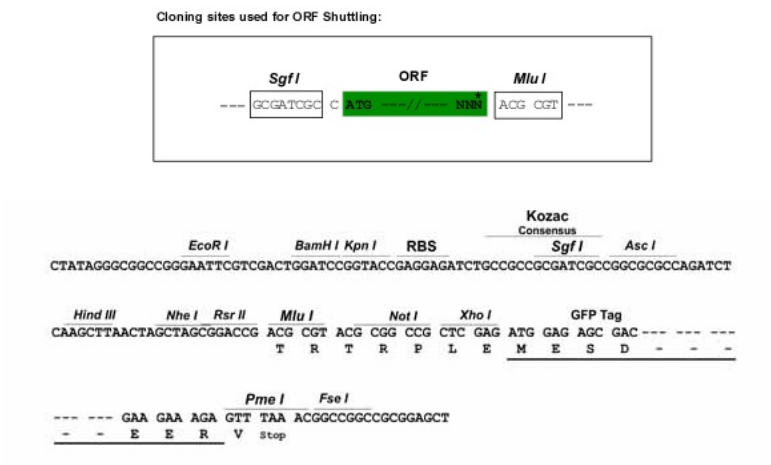
>RG211441 representing NM_001003793
Red=Cloning site Green=Tags(s)

MGKRLDQPQMYPQYTYYYPHYLQTKQSYAPAPHPMAPPSPSTNSSSNNSSNNSSGEQLSKTNLYIRGLPP
GTTDQDLIKLCQPYGKIVSTKAILDKNTNQCKGYGFVDFDSPAAAQKAVASLKANGVQAQMAKQQEQDPT
NLYISNLPISMDEQELENMLKPFGHVISTRILRDANGVSRGVGFARMESTEKCEVVIQHFNGKYLKTPPG
IPAPSEPLLCKFADGGQKKRQNQSKYTQNGRPWPREGEAGMALTYDPTAAIQNGFYSSPYSIATNRMIPQ
TSITPFIAASPVSTYQVQSTSWMPHPPYVMQPTGAVITPTMDHPMSMQPANMMGPLTQQMNHLSLGTTGT
IQSQDRIMILHQLLCQYMTAAAPMQGTYIPQYTPVPPTAVSIEGVVADTSPQTVAPSSQDTSGQQQQIAV
DTSNEHAPAYSYQQSKP

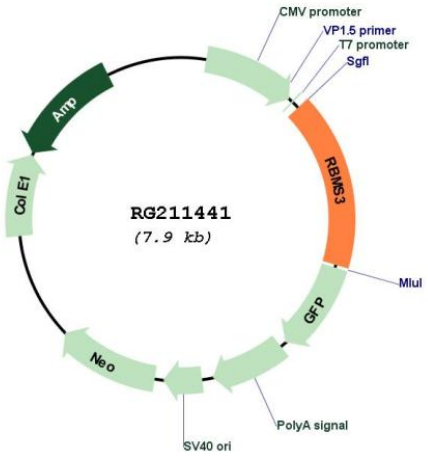
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001003793
ORF Size:	1311 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_001003793.3
RefSeq Size:	2817 bp
RefSeq ORF:	1314 bp
Locus ID:	27303
UniProt ID:	Q6XE24
Cytogenetics:	3p24.1
Gene Summary:	This gene encodes an RNA-binding protein that belongs to the c-myc gene single-strand binding protein family. 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. The encoded protein was isolated by virtue of its binding to an upstream element of the alpha2(I) collagen promoter. The observation that this protein localizes mostly in the cytoplasm suggests that it may be involved in a cytoplasmic function such as controlling RNA metabolism, rather than transcription. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]