

Product datasheet for **RG221049**

RBMS3 (NM_001003792) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS3 (NM_001003792) 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:	>RG221049 representing NM_001003792 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAACGCCTGGATCAGCCACAAATGTACCCCACTACTACTACTATCCTCATTATCTCCAAA
CCAAGTCTATGCACCAGCTCCCCACCCATGGCTCCTCCAGCCCCAGCACAAACAGCAGCAGCAACA
CAGCAGCAACAACAGCAGCGGGGAACAGTTGAGTAAAACCAACCTGTACATTCGAGGCCTCCCACAGGC
ACCATTGACCAGGACCTAATCAAGCTGTGCCAACCGTATGGAAAAATTGTACTACAAAGCAATTCTTG
ACAAAAACACAAATCAGTGCAAAGTTATGGTTTTGTAGATTTTGACAGTCCTGCAGCCGCAGAAAAG
GGTAGCATCTCTCAAGGCAAAATGGCGTGCAGGCACAGATGGCTAAGCAACAAGAGCAAGACCCAACAAC
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AGCTGCCATACAGAATGGATTTTATTCTTACCCTACAGTATTGCAACCAACCGCATGATCCACAGACA
TCTATCAGCCATTCTGCTGCTTCCCTGTCTCCACATACCAGGTGCTGTGATTACCAACCATGG
ACCATCCCATGTCAATGCAGCCAGCCAACATGATGGGCCCACTGACACAGCAGATGAATCACCTTTGCTT
GGGCACAACAGGAACGATTCAATCCAAGACAGGATTATGATACTCCACCAGCTGTTGTGTCAGTATATG
ACTGCTGCTGCTCCTATGCAAGGGACCTACATTCTCAGTACACGCCTGTGCCTCCGACAGCTGTTTCTA
TTGAAGGTGTTGTTGCTGATACCTCTCCCAGACAGTGGCACCTTCATCCCAGGACACCAGTGGTCAGCA
GCAACAGATAGCAGTGGACACATCCAACGAACATGCACCTGCATATTCTTACCAACAGTCTAAACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221049 representing NM_001003792
 Red=Cloning site Green=Tags(s)

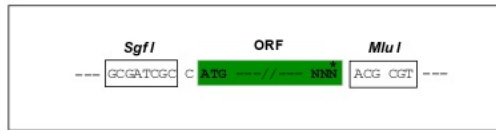
MGKRLDQPMYPQYTYYPHYLQTKSYAPAPHPMAPPSPSTNSSNNSNNSGGEQLSKTNLYIRGLPPG
 TTDQDLIKLCQPYGKIVSTKAILDKNTNQCCKGYGFVDFDSPAQAQKAVASLKANGVQAQMAKQQEQDPTN
 LYISNLPI SMDEQELNMLKPF GHVISTRILRDANGVSRGVGFARMESTEKCEVVIQHFNGKYLKTPPGI
 PAPSEPLLCKFADGGQKKRQNSKYTQNGRPWPREGAGMALTYDPTAAIQNGFYSSPYSIATNRMIPQT
 SITPFI AASPVSTYQGA VITPTMDHPMSMQPANMMGPLTQQMNHLSL GTTGTIQSQDRIMILHQLLCQYM
 TAAAPMQGTYPQYTPVPPTAVSIEGVVADTSPQTVPASSQDTS GQQQI AVDTSNEHAPAYS YQQSKP

TRTRPLE - GFP Tag - V

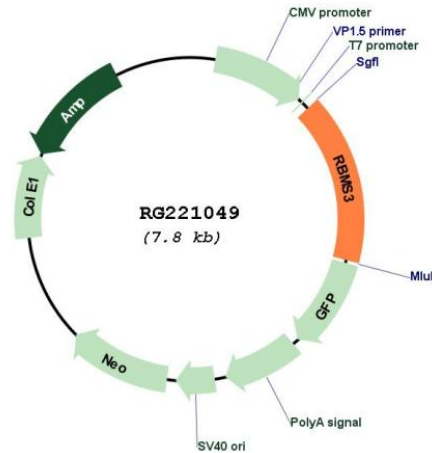
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001003792

ORF Size:	1257 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_001003792.3
RefSeq Size:	2763 bp
RefSeq ORF:	1260 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]