

Product datasheet for **RC230053**

RBMS3 (NM_001177711) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS3 (NM_001177711) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBMS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230053 representing NM_001177711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAACGCCTGGATCAGCCACAAATGTACCCCACTACTACTATCCTCATTATCTCCAAA
CCAAGCAGTCTATGCACCAGCTCCCCACCCATGGCTCCTCCCAGCCCCAGCACAAACAGCAGCAGCAA
CAACAGCAGCAACAACAGCAGCGGGGAACAGTTGAGTAAAACCAACCTGTACATTCGAGGCCTCCCACCA
GGCACCCTGACCAGGACCTAATCAAGCTGTGCCAACCGTATGGAAAAATTGTATCTACAAAGGCAATTC
TTGACAAAAACAAATCAGTGCAAAGTTATGGTTTTGTAGATTTTGACAGTCTGCAGCCGCACAGAA
AGCGGTAGCATCTCTCAAGGCAAATGGCGTGCAGGCACAGATGGCTAAGCAACAAGAGCAAGACCCCAACA
AACCTATACATCTCAAATCTCCCATTTCTATGGATGAGCAGGAGCTTGAGAATATGCTGAAACCTTTG
GACATGTCATTTCCACAAGAATACTAAGAGACGCTAATGGAGTCAGCAGAGGTGTTGGCTTTGCCAGAAT
GGAGTCTACTGAAAAATGTGAAGTGGTAATTCAACATTTAATGGAAAAATCTGAAAAACACCACCGGC
ATCCCAGCCCCAGTGAGCCTTTGCTGTGCAAATTCGCTGATGGAGGACAAAAGAAGCGACAGAATCAA
GCAAATATACCCAGAATGGGAGGCCTTGCCCAAGGAGAGGCTGGCATGGCTTTGACCTATGACCC
CACAGCTGCCATACAGAATGGATTTTATCTTACCCTACAGTATTGCAACCAACCGCATGATTCACAG
ACATCTATCACGCCATTCATTGCTGCTTCCCCTGTCTCCACATACCAGGTCAGAGTACTTCATGGATGC
TCATCCGCCATACGTTATGCAACCAACAGGTGCTGTGATTACACCAACCATGGACCATCCCATGTCAAT
GCAGCCAGCCAACATGATGGGCCACTGCACAGCAGATGAATCACCTTTGTTGGGCACAAACAGGAACG
TATATGACTGCTGCTCCTATGCAAGGGACCTACATTCCTCAGTACACGCCTGTGCCTCCGACAGCTG
TTTCTATTGAAGGTGTTGTTGCTGATACCTCTCCCAGACAGTGGCACCTTCATCCCAGGACACCAGTGG
TCAGCAGCAACAGATAGCAGTGGACACATCCAACGAACATGCACCTGCATATTCTTACCAACAGTCTAAA
CCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC230053 representing NM_001177711
Red=Cloning site Green=Tags(s)

MGKRLDQPMYPQYTYYPHYLQTKQSYAPAPHPMAPPSPSTNSSNNSSNNSSGQQLSKTNLYIRGLPP
 GTTDQDLIKLCQPYGKIVSTKAILDKNTNQCKGYGVDFDSPAQAQKAVASLKANGVQAQMAKQQEQDPT
 NLYISNLPISMDEQELENMLKPFQGHVISTRILRDANGVSRGVGFARMESTEKCEVVIQHFNGKYLKTPPG
 IPAPSEPLLCKFADGGQKKRQNSKYTQNGRPPREGEAGMALTYDPTAAIQNGFYSSPYSIATNRMIPQ
 TSITPFI AASPVSTYQVQSTSWMPHPYVMQPTGAVITPTMDHPMSMQPANMMGPLTQQMNL SLGTTGT
 YMTAAAPMQGTYIPQYTPVPPTAVSIEGVVADTSPQTVAPSSQDTSQDTSQDTSQDTSQDTSQDTSQDTS
 P

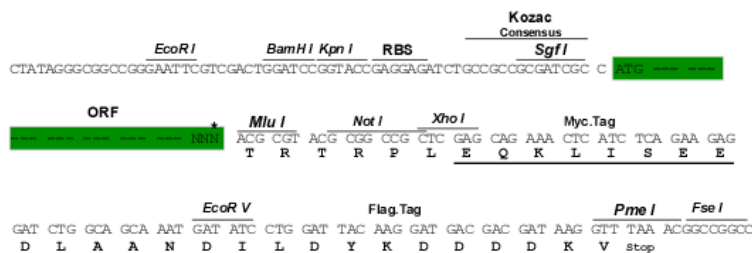
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8058_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001177711

ORF Size: 1263 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_001177711.2](#)

RefSeq ORF: 1266 bp

Locus ID: 27303

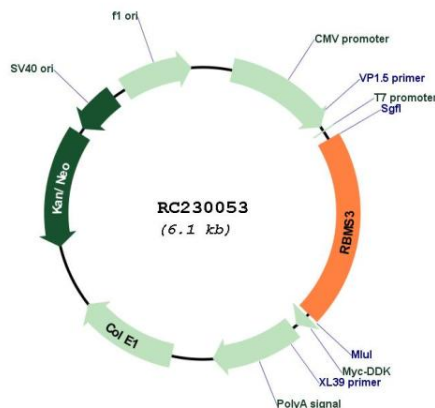
UniProt ID: [Q6XE24](#)

Cytogenetics: 3p24.1

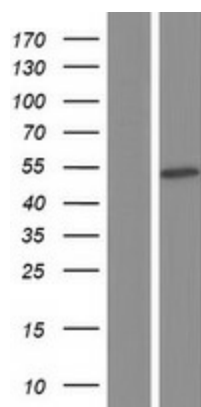
MW: 46.4 kDa

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]

Product images:



Circular map for RC230053



Western blot validation of overexpression lysate (Cat# [LY433053]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230053 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).