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Product datasheet for RC221049

RBMS3 (NM_001003792) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBMS3 (NM_001003792) 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:

>RC221049 representing NM_001003792
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAAACGCCTGGATCAGCCACAAATGTACCCCCAGTACACTTACTACTATCCTCATTATCTCCAAA
CCAAGTCCTATGCACCAGCTCCCCACCCCATGGCTCCTCCCAGCCCCAGCACAAACAGCAGCAGCAACAA
CAGCAGCAACAACAGCAGCGGGGAACAGTTGAGTAAAACCAACCTGTACATTCGAGGCCTCCCACCAGGC
ACCACTGACCAGGACCTAATCAAGCTGTGCCAACCGTATGGAAAAATTGTATCTACAAAGGCAATTCTTG
ACAAAAACACAAATCAGTGCAAAGGTTATGGTTTTGTAGATTTTGACAGTCCTGCAGCCGCACAGAAAGC
GGTAGCATCTCTCAAGGCAAATGGCGTGCAGGCACAGATGGCTAAGCAACAAGAGCAAGACCCAACAAAC
CTATACATCTCAAATCTCCCCATTTCTATGGATGAGCAGGAGCTTGAGAATATGCTGAAACCCTTTGGAC
ATGTCATTTCCACAAGAATACTAAGAGACGCTAATGGAGTCAGCAGAGGTGTTGGCTTTGCCAGAATGGA
GTCTACTGAAAAATGTGAAGTGGTAATTCAACATTTTAATGGAAAATATCTGAAAACACCACCAGGCATC
CCAGCCCCCAGTGAGCCTTTGCTGTGCAAATTCGCTGATGGAGGACAAAAGAAGCGACAGAATCAAAGCA
AATATACCCAGAATGGGAGGCCTTGGCCCAGGGAAGGAGAGGCTGGCATGGCTTTGACCTATGACCCCAC
AGCTGCCATACAGAATGGATTTTATTCTTCACCGTACAGTATTGCAACCAACCGCATGATTCCACAGACA
TCTATCACGCCATTCATTGCTGCTTCCCCTGTCTCCACATACCAGGGTGCTGTGATTACACCAACCATGG
ACCATCCCATGTCAATGCAGCCAGCCAACATGATGGGCCCACTGACACAGCAGATGAATCACCTTTCGTT
GGGCACAACAGGAACGATTCAATCCCAAGACAGGATTATGATACTCCACCAGCTGTTGTGTCAGTATATG
ACTGCTGCTGCTCCTATGCAAGGGACCTACATTCCTCAGTACACGCCTGTGCCTCCGACAGCTGTTTCTA
TTGAAGGTGTTGTTGCTGATACCTCTCCCCAGACAGTGGCACCTTCATCCCAGGACACCAGTGGTCAGCA
GCAACAGATAGCAGTGGACACATCCAACGAACATGCACCTGCATATTCTTACCAACAGTCTAAACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC221049 representing NM_001003792
Red=Cloning site Green=Tags(s)

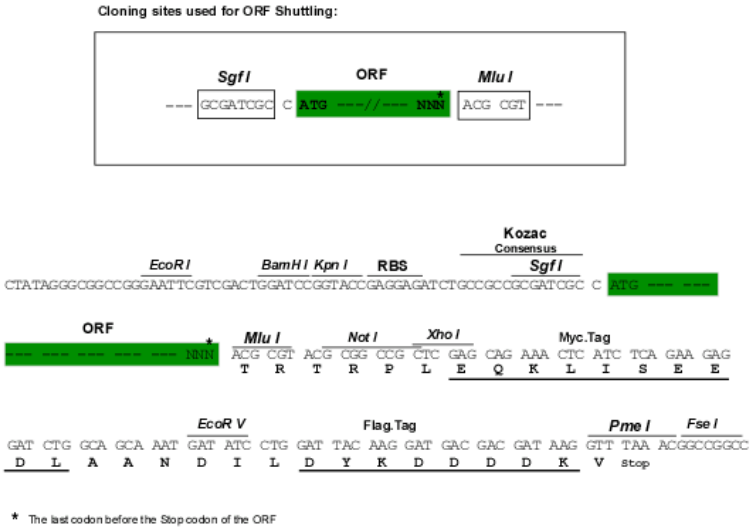
MGKRLDQPQMYPQYTYYYPHYLQTKSYAPAPHPMAPPSPSTNSSSNNSSNNSSGEQLSKTNLYIRGLPPG
TTDQDLIKLCQPYGKIVSTKAILDKNTNQCKGYGFVDFDSPAAAQKAVASLKANGVQAQMAKQQEQDPTN
LYISNLPISMDEQELENMLKPFGHVISTRILRDANGVSRGVGFARMESTEKCEVVIQHFNGKYLKTPPGI
PAPSEPLLCKFADGGQKKRQNQSKYTQNGRPWPREGEAGMALTYDPTAAIQNGFYSSPYSIATNRMIPQT
SITPFIAASPVSTYQGAVITPTMDHPMSMQPANMMGPLTQQMNHLSLGTTGTIQSQDRIMILHQLLCQYM
TAAAPMQGTYIPQYTPVPPTAVSIEGVVADTSPQTVAPSSQDTSGQQQQIAVDTSNEHAPAYSYQQSKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1394_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001003792

ORF Size: 1257 bp

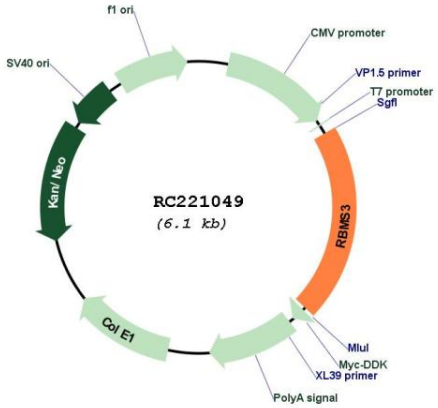
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

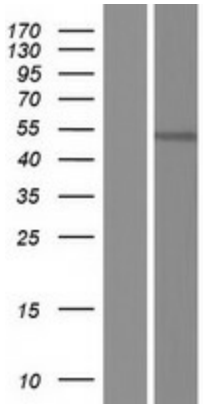
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	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
MW:	45.6 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 RC221049



Western blot validation of overexpression lysate (Cat# [LY424007]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221049 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).