

Product datasheet for **RC202673**

RBM41 (NM_018301) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM41 (NM_018301) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202673 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAGGGTAAACAGCTGTGTGAAGAGTGATGAGCATGTCCTGGAGGAGCTGAAACAGAAGGGGAGA
GGCAGCTGAAAAGCCTCCTTCAGCATCACTTGATACTTCTGTCTCCATTGAGGAATGTATGTCTAAGAA
AGAGAGCTTTGCTCCTGGTACTATGTACAAGCCCTTTGGGAAGGAAGCAGCTGGGACTATGACTTTGTCC
CAATTCAGACTGCATGAGAAGGACCAGGAACTGCTTCTCAGGGAATTAGGGCTTAATGAAACAG
AAATCTTGATCTGGAAGGCCATGTTTCTGGTAAAAGAAGACAAAAGCTGAGGGCAACTCCTGAAGCAAT
ACAGAACCGTCTTCAAGATATTGAAGAAAGGATCTCGGAGCGTCAGCGCATTCTTTGCCTGCCACAGAGA
TTTGCAAAGAGCAAACAGCTGACCCGGCGAGAAATGGAATAGAAAAGTCTTTATTTTCAGGGAGCTGATC
GTCACCTCCTTCTTAAGGCTCTTTATTACCAAGATGAACCCAAAAGAAGAAACAAAGGTGATCCCATGAA
CAACCTGGAAAGTTTTTACCAAGAGATGATAATGAAAAACGTCTTGAAGAGTTTCAACTTATGAGAGGT
GAACCTTTGCTTCCCACTACTGGTCTCAGCTACATCAGTGGGTGATAGTGGCACAGCTGAGAGCCCAT
CATTACTCCAGGACAAGGAAAACAGGCAGCACAGGGTAAAGGCCCCAGTCTCCATGTGGCAATGTTAT
TGATTTTTCACCTGAGCAGTGTGGACTGGGCCTAAGAAGCTGACGCAGCCAATAGAATTTGTCAGAA
GATGAAATCCAGAGAAATCGTTTGTGAGGAAAGAGATCCGAAAAATTCATATGTTTCTCATATAATC
CAGGGGAACCAACAAGTATTACCTGAAGAACCTTAGCCCTCGGGTACTGAAAGAGATCTTGTGTC
ATTGTTTCGCTCGGTTCCAGGAGAAAAAGGACCTCCAATTCGAATGATGACTGGACGAATGAGG
GGCCAGGCCTTTATCACCTTTCCAATAAGGAGATAGCATGGCAAGCATTGCATCTAGTAAATGGATACA
AACTATATGGGAAAAATTTGGTATAGAGTTTGGAAAAGAACAAAAGCAACGGTCAAATCTCCAAGCGAC
TTCTCTCATATCATGTGCTACAGGTAGCACTACAGAAATTAGTGGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC202673 protein sequence
Red=Cloning site Green=Tags(s)

MKRVNSCVKSDEHVL EELETEGERQLKSL LQHQLDTSV SIEECMSKESFAPGTMYPFGKEAAGTMTLS
 QFQTLHEKDQETASLRELGLNETEILIWKSHVSGEKKTKLRATPEAIQNRLQDIEERISERQRILCLPQR
 FAKSKQLTRREMEIEKSLFQADRHSFLKALYYQDEPQKKNKGDP MNNLESFYQEMIMKKRLEEFQLMRG
 EPFASHSLVSATSVGDSGTAESP SLLQDKGKQAAQGGKPSLHVANVIDFSPEQCWTGPKKLTQPIEFVPE
 DEIQRNRLSEEEIRKIPMFSSYNPGE PNKVL YLKNLSPRVTERDLVSLFARFQEKKGPIQFRMMTGMRM
 GQAFITFPNKEIAWQALHLVNGYKLYGKILVIEFGKNKKQRSNLQATSLISCATGSTTEISGS

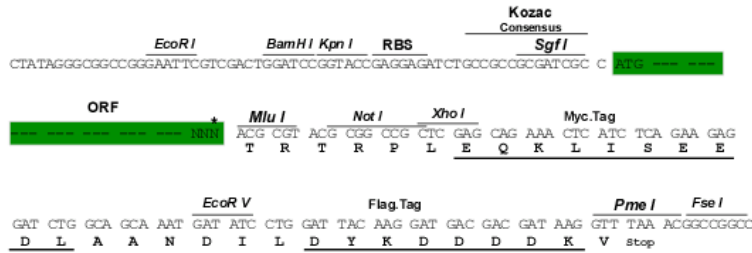
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6578_h08.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_018301

ORF Size: 1239 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018301.2](#), [NP_060771.2](#)

RefSeq Size: 2523 bp

RefSeq ORF: 1242 bp

Locus ID: 55285

UniProt ID: [Q96LZ5](#)

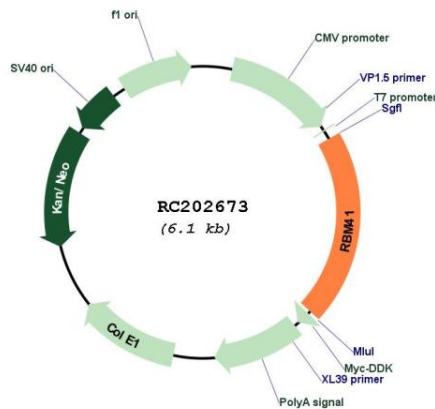
Cytogenetics: Xq22.3

Domains: RRM

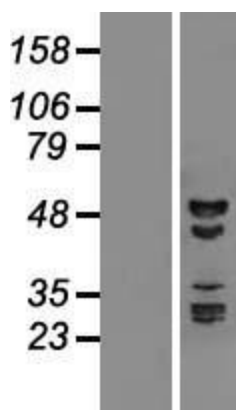
MW: 47.1 kDa

Gene Summary: May bind RNA.[UniProtKB/Swiss-Prot Function]

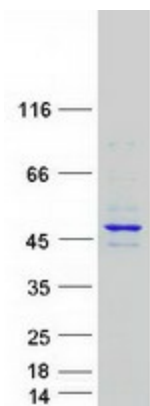
Product images:



Circular map for RC202673



Western blot validation of overexpression lysate (Cat# [LY413147]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202673 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RBM41 protein (Cat# [TP302673]). The protein was produced from HEK293T cells transfected with RBM41 cDNA clone (Cat# RC202673) using MegaTran 2.0 (Cat# [TT210002]).