

Product datasheet for **RC230013**

RBM41 (NM_001171080) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RBM41
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC230013 representing NM_001171080
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAAGAGGGTAAACAGCTGTGTGAAGAGTGATGAGCATGTCCTGGAGGAGCTGGAACAGAAGGGGAGA
GGCAGCTGAAAAGCCTCCTTCAGCATCAACTTGATACTTCTGTCTCCATTGAGGAATGTATGTCTAAGAA
AGAGAGCTTTGCTCCTGGTACTATGTACAAGCCCTTTGGGAAGGAAGCAGCTGGGACTATGACTTTGTCC
CAATTCAGACACTGCATGAGAAGGACCAGGAACTGCTTCTCTCAGGGAATTAGGGCTTAATGAAACAG
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TTTGCAAAGAGCAAACAGCTGACCCGGCGAGAAATGGAAATAGAAAAGTCTTTATTTTCAGGGAGCTGATC
GTCACTCCTTCCTTAAGGCTCTTTATTACCAAGATGAACCCAAAAGAAGAACAAAGGTGATCCCATGAA
CAACCTGGAAGTTTTTACCAAGAGATGATAATGAAAAACGTCTTGAAGAGTTTCACTTATGAGAGGT
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CATTACTCCAGGACAAGGGAACAGGCAGCACAGGGTAAAGGCCCCAGTCTCCATGTGGCAAATGTTAT
TGATTTTTCACCTGAGCAGTGTGGACTGGGCCTAAGAAGCTGACGCAGCCAATAGAATTTGTCCAGAA
GATGAAATCCAGAGAAATCGTTTGTGAGGAAGAGATCCGAAAAATTCCTATGTTTCTTCATATAATC
CAGGGGAACCAACAAGGTATTACCTGAAGAACCTTAGCCCTCGGGTGAAGTGAAGAGATCTTGTGTC
ATTGTTTCGCTCGGTTCCAGGAGAAAAAGGACCTCCAATTCAATTCGAATGATGACTGGACGAATGAGG
GGCCAGGCTTTTATCACCTTTCCCAATAAGGAGATAGCATGGCAAGCATTGCATCTAGTAAATGGATACA
AACTACATGGGAAATATTGGTGATAGAGTTTGGAAAGAACAAAAGCAACGGTCAAATCTCCAAGCGAC
TTCTCTCATATCATGTGCTACAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC230013 representing NM_001171080

Red=Cloning site Green=Tags(s)

MKRVNSCVKSDEHVL EELETEGERQLKSL LQHQLDTSV SIEECMSKKESFAPGTMYPFGKEAAGTMTLS
QFQTLHEKDQETASLRELGLNETEILIWKSHVSGEKKTKLRATPEAIQNRLQDIEERISERQRILCLPQR
FAKSKQLTRREMEIEKSLFQGADRHSFLKALYYQDEPQKKNKGDPNMNLESFYQEMIMKKRLEEFQLMRG
EPFASHSLVSATSVGDSGTAESP SLLQDKGKQAAQGGPSLHVANVIDFSPEQCWTGPKKLTQPIEFVPE
DEIQNRNLSEEEIRKIPMFSSYNPGEPNKVLYLKNLSPRVTERDLVSLFARFQEKKGPPIQFRMMTGMR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

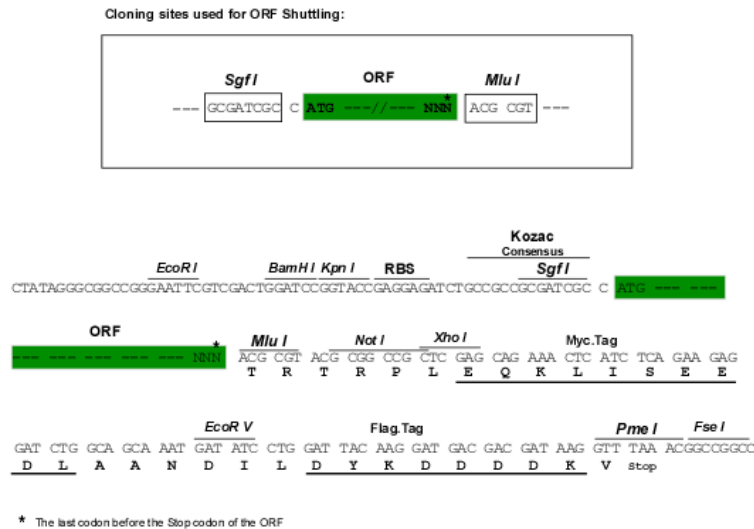
Chromatograms:

https://cdn.origene.com/chromatograms/mk8057_f12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001171080

ORF Size:

1215 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_001171080.2](#)

RefSeq ORF: 1218 bp

Locus ID: 55285

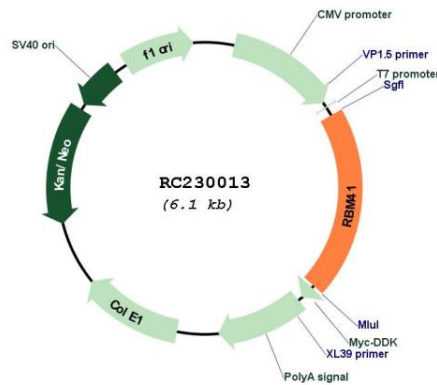
UniProt ID: [Q96IZ5](#)

Cytogenetics: Xq22.3

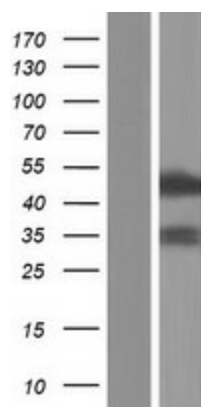
MW: 46.8 kDa

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

Product images:



Circular map for RC230013



Western blot validation of overexpression lysate (Cat# [LY433013]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230013 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).