

Product datasheet for **RC205930**

RBM34 (NM_015014) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM34 (NM_015014) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBM34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205930 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAAACGGAAGAGAAAGAGAAGTGTCCAGGAGGGAGAGAATCCTGACGACGGCGTTTCGCGGGAGTC
CGCCGGAAGACTACAGGCTTGGACAGGTCGCCAGTAGCTTATTTTCGCGCGAACACCATTCCAGAGGTGG
CACCGGTGGCTGGCGTCCCTCTCAGTTCTCTGGAGCCCCAGATTCAACCCGTGTACGTGCCTGTGCCT
AAACAAACCATCAAAAAACGAAACGGAATGAGGAGGAAGAAAGTACATCCAGATTGAAAGACCACTTT
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GGAAAGCGCTCTAGCGAGTGCTGATTTAGAAGAAGAAATTCACCAGAAACAAGGGCAGAAAAAGAAAAAT
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AAGAGATCGGTTTTTGTGGGAATCTCCCTTATAAAGTTGAAGAATCTGCCATTGAGAAGCACTTTCTGG
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ATGTCAGTAAACCTAAGCAGGGACTTAATTTACTTCCAAAACCTGCAGAAGGACATCCTAAAAGCTTATT
TATTGGAGAAAAAGCTGTTCTCCTTAAAACGAAGAAGAAAGGACAGAAGAAAAAGTGGACGCCCTAAGAAA
CAGAGAAAACAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205930 protein sequence
Red=Cloning site Green=Tags(s)

```
MSKRKRKRSVQEGENPDDGVRGSPEDYRLGQVASSLFRGEHHSRGGTGRLASLFFSSLEPQIQPVVYPVP
KQTIKTKRNEEEESTSQIERPLSQEPAKKVKAKKKHTNAEKKLADRESALASADLEEEIHQKQGQKRKN
SQPGVKVADRKILDDETDVVSQRKKIQTINQEEERLKNERTVFGNLPVTCNKKLKSFFKEYGQIESVR
FRSLIPAEGTL SKKLA AIKRKIHPDQKNINAYVVFKEESAATQALKRNGAQIADGFRIRVDLASETSSRD
KRSVFGNLPYKVEESAIEKHF LDCGSIMAVRIVRDKMTGIGKFGYVLFENTDSVHLALKLNSELMGR
KLRVMRSVNEKEFKQNSNPRLKNVSKPKQGLNFTSKTAEGHPKSLF IGEKAVLLKTKKKGQKKSGRPKK
QRKQK
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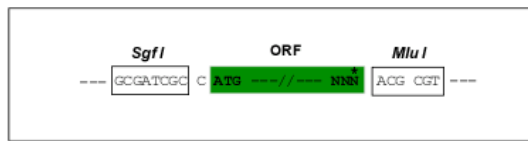
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6178_b06.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_015014

ORF Size: 1275 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_015014.1](#), [NP_055829.1](#)

RefSeq Size: 1870 bp

RefSeq ORF: 1293 bp

Locus ID: 23029

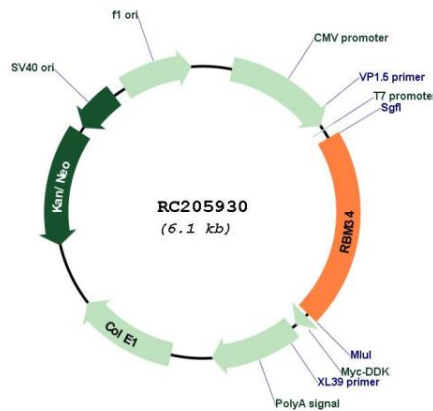
UniProt ID: [P42696](#)

Cytogenetics: 1q42.3

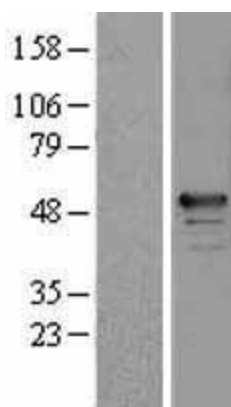
MW: 48.1 kDa

Gene Summary: This gene encodes a member of the RNA-binding motif family of RNA recognition motif proteins. The encoded protein contains an RNA-binding domain made up of two RNA recognition motif subdomains referred to as RNA recognition motif-1 and RNA recognition motif-2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC205930



Western blot validation of overexpression lysate (Cat# [LY402401]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205930 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).