

## **Product datasheet for RC201659**

## RBM3 (NM 006743) Human Tagged ORF Clone

RBM3

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** RBM3 (NM\_006743) Human Tagged ORF Clone

Tag: Myc-DDK

Synonyms: IS1-RNPL; RNPL

Mammalian Cell Neomycin

Selection:

Symbol:

**Vector:** pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >RC201659 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCCTCTGAAGAAGGAAAGCTCTTCGTGGGAGGGCTCAACTTTAACACCGACGAGCAGGCACTGGAAGACCACTTCAGCAGTTTCGGACCTTCTCAGGAGGCACTGGAAGACCACTTCAGCAGTTTCGAGCCTTCTCAGGTGGTCCAGAGGACCCAGAGACCCAGAGCATGCTTCAGTTGCCATGAGAGCCATGAACGGAGAGAGTCTCTGGATGGTCGTCAGATCCGTGTGGATCATGCAGGCAAGTCTGCCATGAGACCAGAGGAGGTGGCTTTGGGGCCCATGGGCGTGGTCGCAGCTACTCTAGAGGTGGTGGGACCAGGGCTATGGAACCAGATCTGAACCAGATATAGACAGTCGACCTGGAGGTATGGATATGGATATGGACGTTCCAGAGACCTATAATGGCAGAAACCAG

GGTGGTTATGACCGCTACTCAGGAGGAAATTACAGAGACAATTATGACAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201659 protein sequence

Red=Cloning site Green=Tags(s)

MSSEEGKLFVGGLNFNTDEQALEDHFSSFGPISEVVVVKDRETQRSRGFGFITFTNPEHASVAMRAMNGE SLDGRQIRVDHAGKSARGTRGGGFGAHGRGRSYSRGGGDQGYGSGRYYDSRPGGYGYGYGRSRDYNGRNQ

GGYDRYSGGNYRDNYDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** https://cdn.origene.com/chromatograms/mk6014 c04.zip



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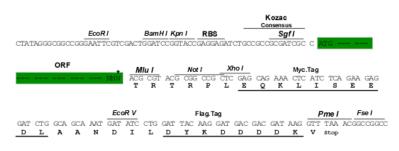
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**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_006743

ORF Size: 471 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: <u>NM 006743.5</u>

RefSeq Size: 4432 bp RefSeq ORF: 474 bp



**Locus ID:** 5935

UniProt ID: P98179

Cytogenetics: Xp11.23

Domains: RRM

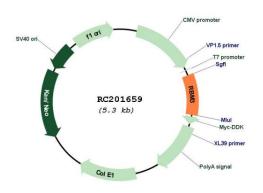
**MW:** 17.2 kDa

**Gene Summary:** This gene is a member of the glycine-rich RNA-binding protein family and encodes a protein

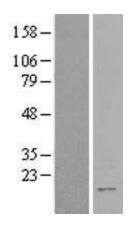
with one RNA recognition motif (RRM) domain. Expression of this gene is induced by cold shock and low oxygen tension. A pseudogene exists on chromosome 1. Multiple alternatively spliced transcript variants that are predicted to encode different isoforms have been characterized although some of these variants fit nonsense-mediated decay (NMD) criteria.

[provided by RefSeq, Jul 2008]

## **Product images:**



Circular map for RC201659



Western blot validation of overexpression lysate (Cat# [LY402015]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201659 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).