

## Product datasheet for **RG202569**

### **RBM4B (NM\_031492) Human Tagged ORF Clone**

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | RBM4B (NM_031492) Human Tagged ORF Clone                                    |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | RBM4B                                                                       |
| Synonyms:                 | RBM4L; RBM30; ZCCHC15; ZCCHC21B; ZCRB3B                                     |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >RG202569 representing NM_031492<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGTGAAGCTGTTTCATCGGAAACCTTCCCGGGAGGCTACAGAGCAGGAGATTCGCTCACTCTTCGAGC  
AGTATGGGAAGGTGCTGGAATGTGACATCATTAGAATTACGGCTTTGTGCACATAGAAGACAAGACGGC  
AGCTGAGGATGCCATACGCAACCTGCACCATTACAAGCTTCATGGGGTGAACATCAACGTGGAAGCCAGC  
AAGAATAAGAGCAAAGCTTCAACCAAGTTACACGTGGTAAACATCAGCCCCACTTGTACCAACCAAGAGC  
TTCGAGCCAAGTTTGAAGAGTATGGTCCGGTCATCGAATGTGACATCGTGAAGATTATGCCTTCGTACA  
CATGGAGCGGGCAGAGGATGCAGTGGAGGCCATCAGGGGCCTTGACAACACAGAGTTTCAAGGCAAAGA  
ATGCATGTGCAGTTGTCCACAAGCCGGCTTCGGACTGCCCTGGTATGGGAGACCAGAGTGGCTGTATC  
GGTGTGGGAAAGAAGGGCACTGGTCCAAAGAGTGCCAGTAGATCGTACGGGTCGTGTGGCAGACTTTAC  
TGAGCAGTATAATGAACAATATGGAGCAGTTCGAACACCTTACACCATGGGCTACGGGGAATCCATGTAT  
TACAACGATGCATATGGAGCACTCGACTACTATAAGCGATACCGGGTCCGCTCTTATGAGGCAGTAGCAG  
CGGCGGCAGCGGCTTCTGCATACAACACGCAGAGCAGACCATGTCCCATCTGCCTCAAGTCCAAAGCAC  
AACTGTGACCAGCCACCTCAACTCTACTTCTGTTGATCCCTATGACAGACACCTATTGCCAACTCTGGC  
GCTGCTGCCACTTCAGCTGCTATGGCTGCTGTCAGCCACCCTTCTCCTACTATGGAAGGGACAGGA  
GCCACTGCGTCGTGCTGACCCATGCTCCCCACAGTTGGAGAGGGCTACGGTTATGGGCCAGAGAGTGA  
ATTATCTCAGGCTTCCGAGCTACACGGAATTCTCTGTATGACATGGCCCGGTATGAACGGGAGCAGTAT  
GTGGACCGAGCCCGGTACTCAGCCTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202569 representing NM\_031492  
 Red=Cloning site Green=Tags(s)

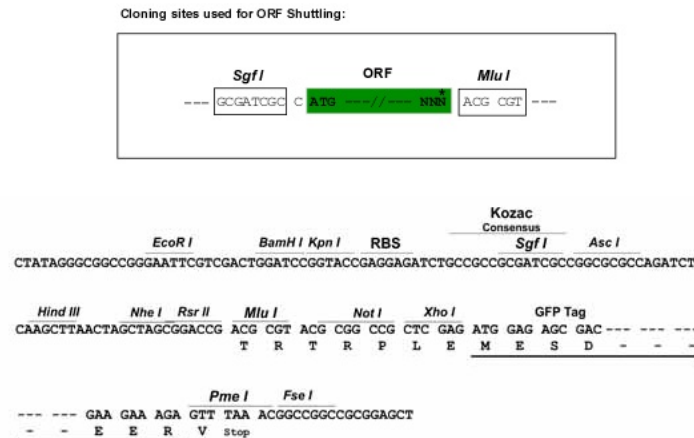
MVKLFIGNLPREATEQEIRSLFEQYGVLECDIIKNYGFVHIEDKTAEDAIRNLHHYKLHGVNINVEAS  
 KNKSKASTKLHVGNISPTCTNQELRAKFEEYGPVIECDIVKDYAFVHMERAEADAEAIRGLDNTEFQGKR  
 MHVQLSTSRRLTAPMGDQSGCYRCGKEGHSKECPVDRTGRVADFTQYNEQYGAVRTPYTMGYGESMY  
 YNDAYGALDYYKRYRVRSYEAIAAAAAASAYNYAEQTMShLPQVQSTTVTSHLNSTSVDPYDRHLLPNSG  
 AAATSAAMAAAATTSSYYGRDRSPLRRAAAMLPTVGEYGYGPESELSQASAATRNSLYDMARYEREQY  
 VDRARYSAF

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_031492

**ORF Size:** 1077 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\\_031492.4](#)

**RefSeq Size:** 1814 bp

**RefSeq ORF:** 1080 bp

**Locus ID:** 83759

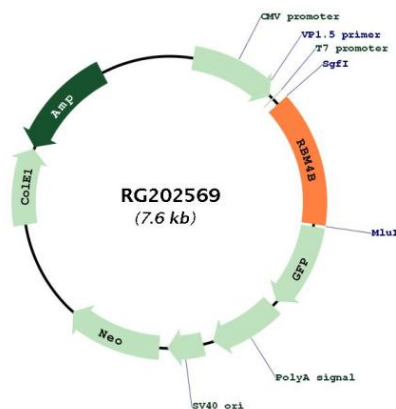
**UniProt ID:** [Q9BQ04](#)

**Cytogenetics:** 11q13.2

**Domains:** RRM, zf-CCHC

**Gene Summary:** Required for the translational activation of PER1 mRNA in response to circadian clock. Binds directly to the 3' UTR of the PER1 mRNA (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG202569