

Product datasheet for MR201130

Rbm3 (NM_016809) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm3 (NM_016809) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbm3
Synonyms: 2600016C11Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201130 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGTCTGAAGAAGGGAACTCTTCGTAGGAGGGCTCAACTTCAACACCGATGAACAGGCACTTGAAG
 ACCACTTCAGCAGCTTTGGGCCTATCTCTGAGGTGTTTGTCAAGGACCGGGAGACTCAAAGATCCCG
 GGGTTTTGGCTTCATCACCTTCAAAACCCAGAGCATGCCTCAGATGCGATGAGAGCCATGAATGGAGAG
 TCCCTGGATGGGCGCAAATCCGAGTTGATCATGCAGAAAGTCTGCCAGGGGATCCAGAGGGGTGCCT
 TTGGTGGGCGTGGTTCGAGTTACTCTAGAGGTGGTGGAGACCAGGATATGGAAGTGAAGATATGACAG
 TCGTCTGGAGGATATGGATATGGGTATGGGCGGTCTAGAGACTACAGTGGCAGAAGCCAGGGTGGCTAT
 GACCGCTACTCAGGAGGAAATTACAGAGACAATTATGACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201130 protein sequence
 Red=Cloning site Green=Tags(s)

MSSEEGKLFVGGGLNFNTDEQALEDHFSSFPISEVVVVKDRETQRSRGFFITFTNPEHASDAMRAMNGE
 SLDGRQIRVDHAGKSARGSRGGAFGGRGRSRSRGGDQGYGSGRYDSRPGGYGYGRSRDYSRGSQGGY
 DRYSGGNYRDNYDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_016809

ORF Size: 465 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_016809.1](#), [NM_016809.2](#), [NM_016809.3](#), [NM_016809.4](#), [NM_016809.5](#), [NM_016809.6](#), [NP_058089.2](#)

RefSeq Size: 2978 bp

RefSeq ORF: 465 bp

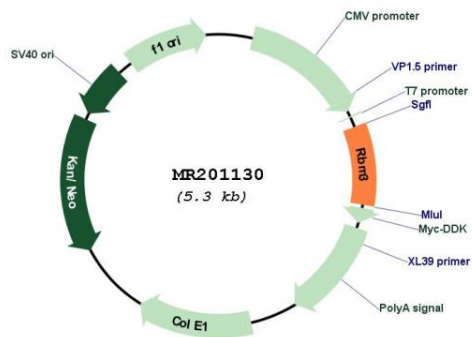
Locus ID: 19652

Cytogenetics: X 3.68 cM

MW: 16.8 kDa

Gene Summary: Cold-inducible mRNA binding protein that enhances global protein synthesis at both physiological and mild hypothermic temperatures. Reduces the relative abundance of microRNAs, when overexpressed. Enhances phosphorylation of translation initiation factors and active polysome formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201130