

Product datasheet for MR203518

Rbm7 (NM_144948) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rbm7 (NM_144948) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Rbm7 |
| Synonyms: | 1200007M24Rik; 1500011D06Rik; AU041934; AW554393 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR203518 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCGGGCCGCGCAGAGGCCGACCGCACTCTGTTTCGTGGGTAACCTGGAGACGAAGGTGACAGAGG
AGCTCCTCTTCGAGCTGTTCCACCAGGCTGGGCCGTAATAAAAGTGAAAATCCCGAAAGATAAAGATGG
CAAAGTGAAGCAGTTTGCATTTCGTAACCTCAACATGAAGTGTCTGTTCCCTATGCCATGAATCTGCTC
AACGGAATCAAATTTTCGGGAGGCCTATCAAATTCAGTTTAGATCAGGAAGCAGTCACGCCTCTCAGG
ATGCCAGTGTGCATATCCCAGCATCATGTTGGAAATTAAGCCCAACCTCCACATCTCCTAACAGCTA
TGAAAGGACAGTGGGTAACGTGTCTCCGACAGCTCAGATGGTCCAGAGGTCTTTTCTTCCAGAAGAT
TATCAGCGCAAGCAGTATGAACAGTGTTCAGACAGATGTCATATGCTGGGAAATTTGGTTCTCCAC
ATGCGGATCAGTTGGGATTTTCACCATCAGCTCAACCACATGGCCATACCTTTAACCCAGTCTTCCAGCTC
CCAGTGGCGCAAGATGCACTGTGCATCAGCGTAAAAGACAGAATTCTCACCCCTACCTAGCAGATAGA
CACTATAGCCGTGAGCAGCGCTACTCTGACCATGGGTCTGACTATCATTACAGAGGCAGCCGAGAGGATT
TCTACTATGACGACAGGGATCATGATGGCTGGACCATGACTATGATAACAGAAGGGACAGTAGTAGAGG
TGGGAAGTGGCCCTCATCCAGACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203518 protein sequence
 Red=Cloning site Green=Tags(s)

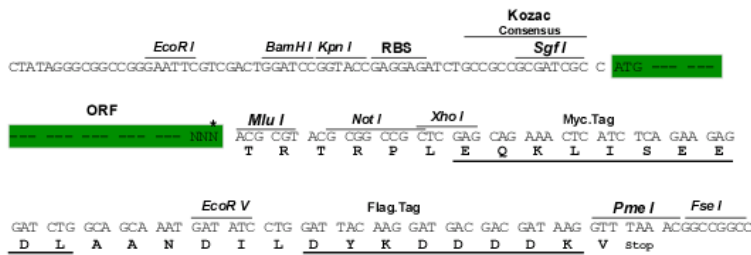
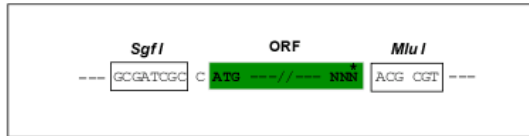
MGAAAAEADRTL FVGNLETKVTEELL FELFHQAGPVIKVKIPKDKGKLGKQFAFVNFKHEVSVPYAMNLL
 NGIKL FGRPIKIQFRSGSSHASQDASVSYPQHVGNL SPTSTSPNSYERTVGNVSPTAQMVQRSFSSPED
 YQRQAVMNSVFRQMSYAGKFGSPHADQLGFSPSAQPHGHTFNQSSSQWRQDALSSQRKRQNSHPYLADR
 HYSREQRYSDHGSDYHYRGSREDFYYDDRDHDGWSHDYDNRDRSSRGGKWPSSRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_144948

ORF Size: 798 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_144948.2](#), [NM_144948.3](#), [NM_144948.4](#), [NM_144948.5](#), [NP_659197.2](#)

RefSeq Size: 1810 bp

RefSeq ORF: 798 bp

Locus ID: 67010

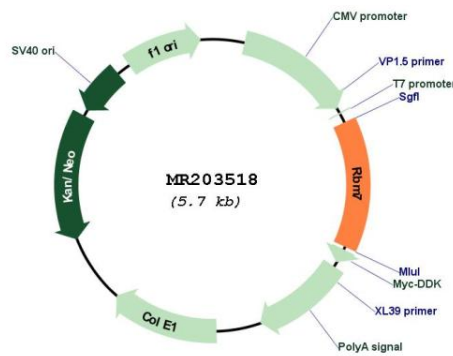
UniProt ID: [Q9CQT2](#)

Cytogenetics: 9 A5.3

MW: 30.1 kDa

Gene Summary: Subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters. Possible involved in germ cell RNA processing and meiosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203518