

Product datasheet for **MR207590**

Rbm42 (NM_133693) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm42 (NM_133693) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbm42
Synonyms:	1700003D06Rik; 3100004P22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207590 representing NM_133693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCATCAGCGATGGCCGGAGCAGGGCCGGCTCCGGACTCCCGTGGCGGGAGGGCCGGTGGTCCCGG
 GGCTGGTGTGCGCATCCCGGGCAAGAGCGGCGAGGAACGCTTGAAAGAAATGGAGGCGGAGATGGCCCT
 GTTTGAGCAAGAAGTATTGGGAGCTCCGGTGACCGGAATCCCAACTGCTGTGCTGCGGTGCCACGGTA
 GAAGCGATGCAGGTCCCCCAGCTCCTGTGATCCGCCAATTATCGCCACCAACACATACCAACAGGTCC
 AACAGACTCTGGAGGCCAGGGCAGCTGCTGCAGCCACAGTTGTTCTCCCATGGTGGGAGGCCCTCTTT
 TGTGGGCCAGTTGGCTTTGGCCCTGCCGATCGTGGTACCTGGACAGTCTGAGGCTCGAGAGGCCATG
 TTCCTGAGGCGAGCAGCTGTGGCCCTCAGAGGGCCCTATCCTGCGTCTGCCTTCGTCACCCACGTGC
 TACAGAGAGCAGATTCTGCCCTTCTCTGCAGCTGGTGGCCCCGACCTATGGCCCTGAGGCTCCACA
 CCAGGCCCTGGTTGGACCCCTCTGCCTGGCCCTCCTGGACCACCCATGATGCTGCCACCAATGGCTCGG
 GCACCTGGACCACCCCTGGGTTCTATGGCTGCTCTGAGACTCCCTGGAAGAGCCAGCAGCTCCACGAG
 AGCTAGGCCTAGGCCTTGGTTTGGGCTGAAGGACAAGGAAGAGGCAGTAGTGGCCCGCAGCGCTGGCT
 GGAGGAAGCTAGCGCAGCAGTGGCAGTGGGGCAGGAGGAGCCAGCTGGGCTGCAGTCATTGGCCCC
 AGCCTCCCGTGGCCCTCGCCATGCCCTTGCTGAGCCTGAGCCCTTGCCCTCCCACTGGAGGTGGTAC
 GTGGCTGCTGCCTCCGTGAGAATTCCTGAGCTTGTCTCTCCGTCCACGACCTCGGCCCCCTCGGCC
 TGAGCCTCCTCTGGCCTCATGGCCCTAGAGGTGCCAGAGCCACTGGGTGAAGACAAGAAGAAAGGAAG
 CCAGAGAAACTGAAACGCTGCATTGCGACAGCAGCGGGGAGCAGCTGGGAGGACCCAGCCTGCTGGAGT
 GGGATGCCGATGACTTCCGGATCTTCTGCGGGGATCTGGGCAATGAGGTGAACGATGACATCTTGGCAG
 AGCCTTCAGCCGCTTCCCATCTTCTTAAGGCTAAGGTGATCCGTGACAAGCGCACAGGCAAAACCAAG
 GGCTATGGCTTTGTGAGCTTCAAAGACCCAGTACTATGTGCGCGCCATGCGAGAGATGAATGGGAAGT
 ATGTGGGCTCACGCCCATCAAGCTTCGCAAAGCATGTGAAGGACCGAACCTGGATGTGGTCCGTAA
 GAAGCAGAAGGAAAAGAAAAAGTTGGGCCTCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207590 representing NM_133693
 Red=Cloning site Green=Tags(s)

MASAMAGAPAPGLPVAGGPVVPVPGVGVIPGKSGEERLKEMEAEMALFEQEVLGAPVTGIPTAVPAVPTV
 EAMQVPPAPVIRPIIATNTYQQVQQTLEARAAAAATVVPPMVGGPPFVGPVGFADRGHLDSPAREAM
 FLRRAAVAPQRAPILRPAFVPHVLRADSALSSAAGGPRPMALRPPHQALVGPPLPGPPGPPMMLPPMAR
 APGPPLGSMALRPPLEPAAPRELGLGLGLGLKDKKEAVVAAAAGLEESA AVAVGAGGAPAGPAVIGP
 SLPLALAMPLPEPEPLPLPLEVVRGLLPLRIPELLSLRPRPRPRPEPPPGLMALEVPEPLGEDKKKGGK
 PEKLRKIRTAAGSSWEDPSLLEWDADDFRIFCGDLGNEVNDLILARAFSRFPSFLKAKVIRDKRTGKTK
 GYGFVSFKDPSDYVRAMREMNGKYVGSRP IKLRKSMWKDRNL DVVRKKQKEKKKLGRL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9090_b07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_133693

ORF Size: 1434 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_133693.2](#), [NP_598454.2](#)

RefSeq Size: 1701 bp

RefSeq ORF: 1437 bp

Locus ID: 68035

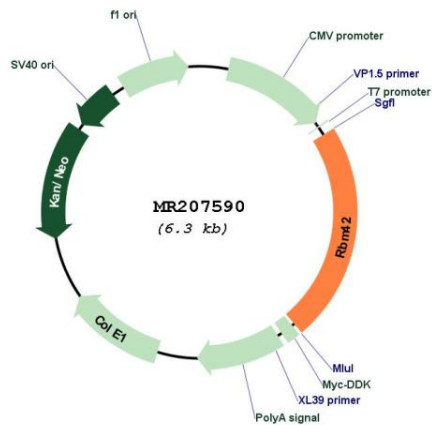
UniProt ID: [Q91V81](#)

Cytogenetics: 7 B1

MW: 50.2 kDa

Gene Summary: Binds (via the RRM domain) to the 3'-untranslated region (UTR) of CDKN1A mRNA.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207590