

Product datasheet for **MG207590**

Rbm42 (NM_133693) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm42 (NM_133693) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rbm42
Synonyms:	1700003D06Rik; 3100004P22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207590 representing NM_133693
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCATCAGCGATGGCCGGAGCAGGGCCGGCTCCGGACTCCCGTGGCGGGAGGGCCGGTGGTCCCGG
 GGCTGGTGTGCGCATCCCGGGCAAGAGCGGCGAGGAACGCTTGAAGAAATGGAGGCGGAGATGGCCCT
 GTTTGAGCAAGAAGTATTGGGAGCTCCGGTGACCGGAATCCCAACTGCTGTGCTGCGGTGCCACGGTA
 GAAGCGATGCAGGTCCCCCAGCTCCTGTGATCCGCCAATTATCGCCACCAACACATACCAACAGGTCC
 AACAGACTCTGGAGGCCAGGGCAGCTGCTGCAGCCACAGTTGTTCTCCCATGGTGGGAGGCCCTCTTT
 TGTGGGCCAGTTGGCTTTGGCCCTGCCGATCGTGGTACCTGGACAGTCTGAGGCTCGAGAGGCCATG
 TTCCTGAGGCGAGCAGCTGTGGCCCTCAGAGGGCCCTATCCTGCGTCTGCCTTCGTCCCCACGTGC
 TACAGAGAGCAGATTCTGCCCTTCTCTGCAGCTGGTGGCCCCGACCTATGGCCCTGAGGCCCTCACA
 CCAGGCCCTGGTTGGACCCCTCTGCCTGGCCCTCTGGACCACCCATGATGCTGCCACCAATGGCTCGG
 GCACCTGGACCACCCCTGGGTTCTATGGCTGCTCTGAGACTCCCTGGAAGAGCCAGCAGCTCCACGAG
 AGCTAGGCCTAGGCCTTGGTTTGGGCTGAAGGACAAGGAAGAGGCAGTAGTGGCCCGCAGCGCTGGCT
 GGAGGAAGCTAGCGCAGCAGTGGCAGTGGGGCAGGAGGAGCCCACTGGGCTGCAGTCATTGGCCCC
 AGCCTCCCGTGGCCCTCGCATGCCCTTGCCTGAGCCTGAGCCCTTGGCCCTCCCACTGGAGGTGGTAC
 GTGGCCTGCTGCCTCCGCTGAGAATTCCTGAGCTTTGTCTCTCCGTCCACGACCTCGGCCCCCTCGGC
 TGAGCCTCCTCTGGCCTCATGGCCCTAGAGGTGCCAGAGCCACTGGGTGAAGACAAGAAGAAAGGAAG
 CCAGAGAAACTGAAACGCTGCATTGCACAGCAGCGGGGAGCAGCTGGGAGGACCCAGCCTGCTGGAGT
 GGGATCCCGATGACTTCCGGATCTTCTGGGGGATCTGGGCAATGAGGTGAACGATGACCTTTGGCAG
 AGCCTTCAGCCGCTTCCCATCCTCCTTAAGGCTAAGGTGATCCGTGACAAGCGCACAGGCAAAACCAAG
 GGCTATGGCTTTGTGAGCTTCAAAGACCCAGTACTATGTGCGCGCCATGCGAGAGATGAATGGGAAGT
 ATGTGGGCTCACGCCCATCAAGCTTCGCAAAAGCATGTGGAAGGACCGGAACCTGGATGTGGTCCGTAA
 GAAGCAGAAGGAAAAGAAAAAGTTGGGCCTCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207590 representing NM_133693
 Red=Cloning site Green=Tags(s)

MASAMAGAGPAPGLPVAGGPVVPVPGVGVIPGKSGEERLKEMEAEMALFEQEVLGAPVTGIPTAVPAVPTV
 EAMQVPPAPVIRPIIATNTYQQVQQTLEAAAAAATVPPMVGGPPFVGVGFPADRGHLDSPAREAM
 FLRRAAVAPQRAPILRPAFVPHVLRADSALSSAAGGPRPMALRPPHQALVGPPLPGPPGPPMMLPPMAR
 APGPPLGSMALRPPLEPAAPRELGLGLGLKDKKEAVVAAAAGLEESA AVAVGAGGAPAGPAVIGP
 SLPLALAMPLPEPEPLPLEVVRGLLPPLRIPELLSLRPRPRPRPEPPPGLMALEVPEPLGEDKKGK
 PEKLRKIRTAAGSSWEDPSLLEWDADDFRIFCGDLGNEVNDILARAFSRFPSFLKAKVIRDKRTGKTK
 GYGFVSFKDPSDYVRAMREMNGKYVGSRP IKLRKSMWKDRNL DVVRKKQKEKKKLGRL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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

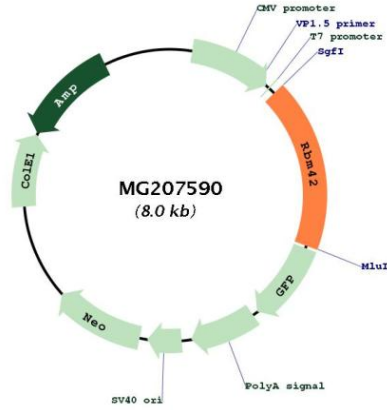
Locus ID: 68035

UniProt ID: [Q91V81](#)

Cytogenetics: 7 B1

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 MG207590