

Product datasheet for **RG201202**

RBM42 (NM_024321) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM42 (NM_024321) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201202 representing NM_024321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGGGCGGGCCAGCCCCGGGACTCCCGGGTGCAGGAGGACCCGTGGTCCCGGGTCTGGCGCTG
 GCATCCCGGGCAAAGCGCGCAGGAACGCTTGAAGGAAATGAGAGCGGAGATGGCCCTGTTTGAGCAGGA
 AGTTCTGGGGCTCCAGTACCTGGAATCCCAACTGCTGTGCCTGCGGTGCCCACTGTCCCCACGGTCCCC
 ACAGTAGAAGCGATGCAGGTCCCAGCGGCTCCTGTGATCCGCCAATTATCGCGACCAACACATACCAGC
 AGGTCCAGCAGACTCTGGAGGCCGAGCAGCTGCTGCAGCCACAGTAGTTCCTCCCATGGTGGGTGGCC
 TCCTTTTGTAGGCCCTGTTGGCTTTGGCCCTGGTATCGGAGTCACTGGACAGCCAGAGGCTCGAGAA
 GCCATGTTCTGCGGCGGGCAGCTGTGGCCCCCAGAGGGCCCTATCCTGCGTCCAGCCTTCGTCCCC
 ACGTGCTACAGAGAGCAGATTCCGCTCTCTCCTCTGCAGCAGCCGGCCCCCGCCATGGCCCTACGGCC
 CCCTACCAGGCCCTCGTGGGCCCCCTCTGCCTGGGCCCCCTGGACCACCCATGATGCTGCCACCAATG
 GCTCGGGCTCCAGGGCCCCGCTGGGCTCCATGGCTGCACTGAGGCCCTCTGGAAGAGCCAGCAGCAC
 CCCGAGAGCTGGGCTTAGGCCTGGGGTTGGGCCTGAAAGAGAAGGAAGAGGCAGTGGTGGCGGCGCGGC
 TGGGCTGGAGGAGGCTAGCGCGGCTGTGGCCGTGGGGCAGGAGGTGCCCACTGGCCCTGCAGTCATT
 GGGCCAGCCTGCCGCTGGCCCTGGCCATGCCATTGCCGAGCCTGAGCCCTGCCCTCCCGTTGGAGG
 TCGTCCGCGGCCCTCTGCCCCGCTGCGCATTCTGAACCTCTGTCCCTGCGTCTCGGCCCGGCCCC
 TCGGCCAGAGCCACCCAGGCCATGGCTCTTGAAGTCCCAGAGCCCTGGGTGAAGACAAGAAGAAG
 GGAAGCCAGAGAAATTGAAACGGTGCATTGCGACAGCGGAGGAGCAGCTGGGAGGACCCAGCCTGCT
 TGGAGTGGGATGCAGATGACTTCCGGATCTTCTGTGGGATCTGGGCAATGAGGTGAACGATGACATCTT
 GGCACGCGCCTTCAGCCGCTCCCATCCTTCTTAAGCCAAGGTGATCGGTGACAAGCGCACAGGCAAG
 ACCAAGGCTACGGCTTCGTGAGCTTCAAGGACCCAGCGACTACGTGCGCGCCATGCGTGAAGTGAATG
 GGAAGTATGTGGGCTCGCGCCCCATCAAGCTTCGCAAGAGCATGTGGAAGGACCGGAATCTGGACGTGGT
 CCGCAAGAAGCAGAAGGAAAAGAAGAAGCTGGGCCTGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201202 representing NM_024321
 Red=Cloning site Green=Tags(s)

MAGAGPAPGLPGAGGPVVPGPAGIPGKSGEERLKEMEAEMALFEQEVLGAPVPGIPTAVPAVPTVPTVP
 TVEAMQVPAAPVIRPIIATNTYQQVQQTLEARAAAAATVPPMVGPPFVGPVGFPGDRSHLDSPEARE
 AMFLRRAAVAPQRAPILRPAFVPHVLQRADSALSSAAAGPRPMALRPPHQALVGPPLPGPPGPPMMLPPM
 ARAPGPPLGSMAALRPPLPEEPAAPRELGLGLGLGLKEEEAVVAAAAGLEEASA AVAVGAGGAPAGPAVI
 GPSLPLALAMPLPEPEPLPLPLEVVRGLLPPLRIPELLSLRPRRPPRPEPPPGLMALEVPEPLGEDKKK
 GKPEKLRKCI RTAAGSSWEDPSLLEWDADFRIFCGDLGNEVNDLILARAFSRFPSFLKAKVIRDKRTGK
 TKGYGFVSFKDPSDYVRAMREMNGKYVGSRPILKRSMWKDRNLDVVRKKQKEKKLGLR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_024321

ORF Size: 1440 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_024321.5](#)

RefSeq Size: 1669 bp

RefSeq ORF: 1443 bp

Locus ID: 79171

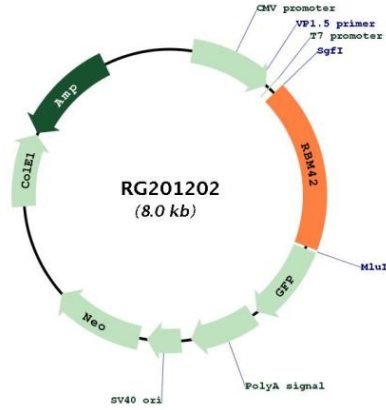
UniProt ID: [Q9BTD8](#)

Cytogenetics: 19q13.12

Domains: RRM

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 RG201202