

Product datasheet for **MG210885**

Rbm12b2 (NM_198957) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm12b2 (NM_198957) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rbm12b2
Synonyms:	AV299215; C430048L16Rik; Rbm12bb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210885 representing NM_198957
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGTAGTCATCCGTTTACTGGGGCTTCCTTTTATTGCGGGTCTGTGGATATCCGTCACCTTCTTCA
AGGGATTGACTATTCTGATGGAGGAGTGCATATAATTGGAGGGAAAGTTGGGGAGGCTTTTATAATTTT
TGCAACAGATGAAGATGCAAGACGTGCTATAAGTCGCTCAGGAGGGTTTATCAAGGATTCATCTGTAGAG
CTTTTTCTTAGTAGCAAGGTAGAAATGCAGAAGACCATAGAAATGAAAAGAACTGCTCGAGTAGGAAGAG
GGCGACCAGGATCCGGGGCATCAGGGTTGGCAACGTGTATCTTTTGTGATGCTCTGAAGGAAGAAGA
AAGTTATTCTGGATATGGCTCTTCGGTTAATCGAGATGCTGGGTTTCATACAAATGGTACAGGACTTGAC
TTAAGGCCAAGAAAGACCAGGCCATTGAAGGCTGAGAATCCTTACTTATTCTACGAGGTTTGCCTTACT
TAGTAAATGACGATGATGTCGGTGTCTTTTCTCTGGTTTGTGTGTAGATGGAGTAATTCTCTTAAACA
TCATGATGGCCGAAATAATGGTGTGCTATAGTAAAATTTGCTTCATGTGTTGATGCTTCAGGAGGCTT
AAATGCCATAGAAGTTTCATGGGTTCAAGATTTATAGAAGTCATGCAGGGTTTCAGAACACAGTGGATTG
AATTTGGTGGTACTGCAACCGAGGGCGGTGACACTCCTCGTATGAGATCTGAAGAGCATTCTCCTCAAG
AAGGATTAATGGTAGACATTTTCGGAACGGTCTCATTCAAAATCTCCTAGAGCACGTTCTCGCTCCTCT
CTTGGATTTTATGTTCACTTAAAAATCTGTCTTAAATACTAACAAAAGAGATTTAAGGAATCTCTTTA
GAGATACTGACCTGACTAATGACCAGATTAAGTTTGTGTATAAGATGAAAGAAGAACACGCTATGCCTT
TGTGATGTTCAAGAATCAAAAAGACTATAATACTGCCCTGGGTTGCATAAGACTGTTTTACAATATCGT
CCAGTCTTATTGATCCAGTGTCTAGGAAGGAAATGGTGAAGAATCATTGAATGCTATGAGAAGAAGAGAC
CAGAGTCTTTAGAGAAGGAAAGCCAGGACGTGTTTCACAAAAGTACTCAAGAAGGCTTCTCTGGCTC
TGGTGAGAAGCTGTGCATATATAAAGAAATTTACCATTGATGTTACAAGGGTGAAGTGCAGAAGTTC
TTTGCAGATTTTTCTCTTGTGAGGATGACATTTATCTGCTTTGTGATGACAAGGGAGTTGGTTGGGAG
AAGCACTGGTGAATTTAAATCAGAAGAACAAGCCATGAAAGCTGAACGTTTGAACCGACAAAGATTCTT
GGGGATAGAGGTGTTGTTAAGACTTATATCTGAGGAACAATGCAGGAGTTTGGTATAAAGTCTTCTCGG
TTGTCTAATGAGAGGACACAAGCCTGTTCCAGGTCACATGATGGAGATGACTGTTCTGTTTGTGTTGACT
TAAAAGATCCGTCATCCTGTTTCATTTGGCCAGTCTGAAAGCCTTCGTTATCATCCAAAAGACTTAAGGAA
AATGGGTCATTTCAAGCATCCCCAAGGGTATTTCCGGCAGTCTGACAGGTGCTCTCCTGAGGACTTCAGG
CACTCCCCAGAAGACTATAGGCACCCCTGGGAGGAGCATACCAGCCACTTAGGGAGGAAGACTGGAGAC
TGCTCTGGAGGATTGGCCACAGGAAGATGATTTTAGGCAGTGTATGAGAAAGATCATAGGCAGCTAAG
AAGCCCTTGGGAAGAAGACTTCAGACGGCCATCCCAGGAGCACTTCAGGAGATCCTATCAGGAGCACATT
AGACGGCCACCCCAAGAACATTTAGGCGTTCCCGAGAGGAAGATTTAGGCATGTGGCTGATGAAGACT
TTAGGCAAGCTTCTGATGAGGACTTCAGGATCTCCAAGAAGATTTGAGATATCCCAGTATGAGGACTT
TAGGCGGGTGTCTGTGGAAGACCTCAGGGAAGTTCCAGAGAAGGACCTTCGACTTCTTAAAAATTTAGA
TCTTCTGGAGAGGAGTTTTGGACCCACCTGATTTAGAGGTCAACATCCCTTTGTGAACCTTGTGATC
TACAAGGTGGCAAATTTGATTTTAAAAAGTATAAATTGGAAAATTTTCATGACGGAAAATTTGTTCTGA
CCTAAAGTTTAAATTGTGGTTCAGGTGGAATAATCGTGTATGATCTCGAATCTCCATTCAAAGCCAAT
GCTAATGAAATCTAGACTTTTTTCATGGTTATAAAGTCATCCCTGATTCCGTTTCAATACAGTATAATG
AGGAAGGATTGCCTTTAGGAGAAGCTATCGTTTCTATGACAAATTATAATGAAGCTCTATCTGCAGTTAA
AGATCTAAGTGGTAGACCAGTTGGTCCCGCAAAGTTAAGCTTAGTTTGCTT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210885 representing NM_198957
 Red=Cloning site Green=Tags(s)

```

MAVVIRLLGLPFIAGPVDIRHFFKGLTIPDGGVHIIGGKVGEAFIIFATDEDARRAISRSGGFIKDSSVE
LFLSSKVEMQKT IEMKRTARVGRGRPGSGASGVGNVYHFSDALKEEESYSGYGSSVNRDAGFHTNGTGLD
LRPRKTRPLKAENPYLFLRGLPYLVNDDVVRVFFSGLCVDGVILLKHH DGRNNGDAIVKFASCVDASGGL
KCHRSMGSRFIEVMQGSEQQWIEFGGTATEGGDTPMRSEEHSPSRRINGRHFRRKSHSKSPRARSRSP
LGFYVHLKNL SLNTNKRDLRNLFRDIDLNDQIKFVYKDERRTRYAFVMFKNQKDYNTALGLHKTVLQYR
PVLIDPVS RKEMVRIIECYEKKRPESLEKERPGRVSQKYSQEGFSGSGQKLCIYIRNLPFDVTKGEVQKF
FADFSLVEDDIYLLCDDKGVGLGEALVRFKSEEQAMKAERLNRQRFLGIEVLLRLISEEQMQEFGIKSSW
LSNERTQACSRSHDGDSCSLFDLKDPSSCSFGQSESLRYHPKDLRKMGHFKHPQGYFRQSDRCSPEDFR
HSPEDYRHPWEEHTSHSREEDWRLPLEDWPQEDDFRQCHEKDHRQLRSPWEEDFRRPSQEHFRRSYQEH
IRPPQEHFRRSREEDFRHVADEDFRQASDEDFRISQEDLRYPTDEDFRRVSVEDLREVPEKDLRLPKNFR
SSGEEFWTPPDFRGQHPFVNFHDLQGGKDFEKYKLENFHDGKFVPDLKFNCGSGGIIRVMISNLPFKAN
ANEILDFFHGYKVIPDSVSIQYNEEGLPLGEAIVSMTNYNEALS AVKDLSGRPVGP RKVKLSLL
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

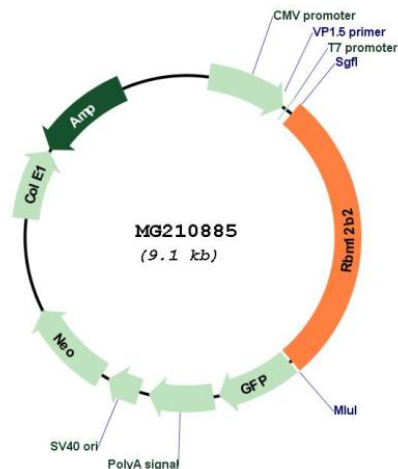
CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

T R T R P L E
M E S D - - -

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:


ACCN: NM_198957

ORF Size: 2502 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_198957.2](#), [NP_945195.1](#)

RefSeq Size: 3457 bp

RefSeq ORF: 2505 bp

Locus ID: 77604

UniProt ID: [Q66JV4](#)

Cytogenetics: 4 A1