

Product datasheet for **MG210825**

Rbm27 (BC054080) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm27 (BC054080) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rbm27
Synonyms:	A730010I06, mKIAA1311
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210825 representing BC054080
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAAGTGGGAGAGACTATGAGCGGTACTACGAGCGGAATGAGCTGTATCGGGAGAAGTATGACTGGA
 GAAGGGGCAGGAGCAAGAGCAGGAGTAAGAGCCGAGGCTTGAGTCGGAGTAGAAGCCGGAGCAGGGGCCG
 CAGCAAAGACCGGGATCCAAACAGGAACGTTGAGCACAGGGAAAGATCAAAGTTTAAAGAGCGAAAGAAAT
 GACCTGGAGAGCTCTTATGTGCCTGTGTCTGCTCCACCTCCAAGCTCTTCTGAGCAGTATTCCTCTGGGG
 CACAGTCTATCCAGCACTGTCCTGTGATTGCACCTGCGCACCATTCTGAGAACAACAAGTCTGAGAGCTG
 GTCTAATTACTATAACAATCATAGCTCTTCCAATTCCTTTGGTCGAAACCCACCACAAAGAGGCGCTGC
 AGAGATTACGATGAAAGAGGATTTGTGTACTTGGTGACCTTTGTGAGTTTATGATCATGAAATGATCCTC
 TAGTTGTTGATGAAGTTGCTCTGCCAAGTATGATTCCTTTCCACCCCTCCTCCTGGGCTTCTCTCTCC
 ACCACCTCCCGGAATGTTAATGCCTCCAATGCCAGGTCCAGGCCAGGCCCTGGTCTGGCCCTGGCCCT
 GGTCGCCGCCAGGCCAGGCCCTGGTCATAGTATGAGACTTCCTGTTCCCAAGGACATGGTCAGCCTC
 CACCTTCTGTTGTGCTTCCCATACCAAGACCTCCCATTTACAGTCAAGTTTAAACAGCCGTGACCA
 GCCTGGGACAAGTGCAGTGCCCAATCTTGACCAAGTGGGAGCAAGACTACCTCCTCTTTACCGCAGAAC
 CTCCTTTATACAGTATCAGAAAGACAGCCCATGATTCTCGTGAACATGGTGTGCTGCATCTGAGCGAC
 TTCAGTTGGGGACACCGCTCCTCTGTTGGCAGCTCGTTGGTGCCACCTCGAAACCTCATGGGATCCTC
 CATTGGGTATCATACCTCAGTCTCCAGCCCCACCCTCTGGTCCAGATACATATGAACAGATGGCTAT
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 CACAGCTCCCAACCTGATTGGCCTCACATCTGGAGATATGGATGCAAAATCCAAGAGCTAATATTGT
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 AGCCGAAAGAGAGCTATTAGTGGTTTGGAGGGCCACTTACAAAGAAGCCTTGGCTGGGAAAAACAAGGGA
 ACAACAATCAAAGTAAACCAGGCTTCTGAGGAAGAATCATTATACAAACACCAAACTAGAGGTGAAAAA
 AATCCCCAGGAATTGAACAACATTACCAAGCTCAACGAACACTTCAGCAAAATTTGGAACCATAGTTAAT
 ATCCAGATGATGGGCAAACCACAGACCTCTGGTGCCTATGTTCTTAACAAAGTCCCTGTTAAACACCGTC
 TTGGACATGCAAGTACTAACCAGAGTGACACGTCTCACTTGCTAAATCAGACTGGTGGTTCTTCTGGGGA
 AGATTGTCGGTATTTTCTACTCCAGGCCATCCAAAAACAATTTACAGCTCTTCAAACCTAAAGGCACCT
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 TTCAGGAGAAGATACAACAGAATTACGTAAAAAGCTCAGTCAGTTACAAGTTGAGGCTGCAAGATTAGGT
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 GGAGGGGCTCACTGAATCACATGGTGGTGGATCACCGCCCCAAAGCTCTCCAGGTGGAGGATTCATTGA
 GGAGGAAAAAGATGAGTTGCTTTCAGCATTCTCAGCTACAAACCAAGCATCAAAATTCAAAGACCGTCGG
 CTACAGATCTCATGGCATAAGCCCAAGGTACCATCTATATCTACTGAGACCGAGGAAGAGGAAAGTCAAAG
 AAGAGGAAACAGAAACCTCAGATTTGTTTTGCATGATGATGATGATGAAGATGAAGATGAATATGAGTC
 TCGTTCGTGGCGAAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210825 representing BC054080
 Red=Cloning site Green=Tags(s)

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MASGRDYERYERNELYREKYDWRGRGRSKSRKSRGLSRSRSRGRGRSKDRDPNRRNVEHRERSKFKSERN
DLESSYVPSAPPSSSEQYSSGAQSIPTVTVIAPAHSENTTESWSNYNNHSSNSFGRNPPPKRRC
RDYDERGFCVLGDLCQFDHGNDPLVVDEVALPSMIPFPFPPPPGLPPPPPGMLMPPMPGPGPGPGPGP
GPGPGPGPGHSMRLPVPQGHGQPPPSVVLPIPRPPIISQSSLINSRDQPGTSAVNLAPVGARLPPPLPQN
LLYTVSERQPMYSREHGAAASERLQLGTPPPLLAARLVPPRNLMGSSIGYHTSVSSPTPLVPDTYPEPDGY
NPEAPSIITSSGRSQYRQFFSRAQTQRPNLIGLTSGDMDANPRAANIVIQTPEPPVPSVNSNVTRVLEPE
SRKRAISGLEGLTKKPWLKQGNQSKPGFLRKNHYTNTKLEVKKIPQELNNITKLNHFSGFTIVN
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SKLCSGSKSHDVQEVLEKQKQAMKLQDMRKKKQEMLEKQIECQKMLISKLEKNKNMKPEERANIMKTLK
ELGEKISQLKDELKTSSTVSTPSKVTKTEAQKELLDTELDLHKRLSSGEDTTELKRLSQLQVEAARLG
ILPVGGRGKTISSQGRGRGRGRGRGSLNHMVVDHRPKALPGGGFIEEEKDELLQHF SATNQASKFKDRR
LQISWHKPKVPSISTETEEEEVKEEETETSDLFLHDDDEDEDEYESRSWRR
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:

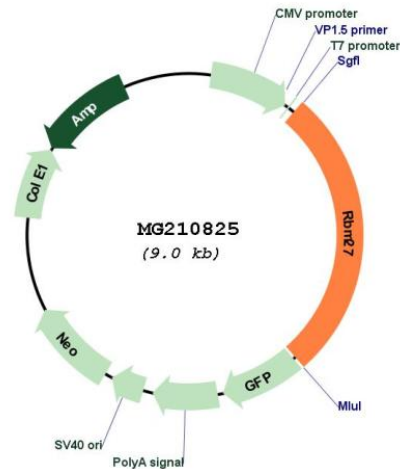


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                                     Kozac
                                     Consensus
          EcoRI      BamHI KpnI  RBS      SgfI      AscI
CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGGCCAGATCT

      HindIII  NheI  RsrII  MluI      NotI  XhoI      GFP Tag
CAAGCTTAAGCTAGCTAGCGGACCG  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: BC054080

ORF Size: 2468 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: [BC054080](#), [AAH54080](#)

RefSeq Size: 5703 bp

RefSeq ORF: 2468 bp

Locus ID: 225432

Cytogenetics: 18 B3