

## Product datasheet for **MG221963**

### **Rbfox2 (NM\_053104) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbfox2 (NM_053104) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rbfox2
Synonyms:	Fbm2; Fxh; Hrnbp2; Rbm9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG221963 representing NM\_053104  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAAGCGGCCAGGCGCAGCAGCAGCCGCCTCAGCTCGGGCCCGCGCTGCCGCCGGGCATGA  
 AGCGGGAGTCGGAGGTGGAGTTGCCGGTGCCCGGAGCGGGGCGACGACCGACCCGAGCCCGCCTGAGCAA  
 GCGGCCACGCACAGAGGAGGCGGCCGACGGCGGGATGCAGAACGAGCCACTGACCCCGGGTTATCATGGA  
 TTCCACAGCAAGGGATGGCCAGGGTAACCAAGGAGCAACAACAACCTCTGACGCAATGTTTTCAGCCTTTTA  
 CTACCATCCCCTCCACCACCTCCACAAAATGGAATTCACAGAAATATGGAGTGCCACACACTCAGGA  
 CTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAACAGAGT  
 AGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGAGCACAGACAGACGGACAAC  
 AGTCACAGACACAAAGTAGTAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTTAATAT  
 TCCCTTCCGCTTCGAGACCCCTGACCTCCGGCAGATGTTTGGGCAGTTTGGCAAAATCCTAGATGTGGAA  
 ATAATCTTTAATGAGCGCGGCTCCAAGGGATTCGGGTTGTAACCTTCGAGAATAGTGCTGATGCAGACA  
 GGGCCAGGGAGAAATGCACGGCACCGTGGTAGAGGGCCGTAATAATGCAACAGCAGC  
 GGTGATGACCAACAAGAAGATGGTACGCCATATGCAAAATGGCTGGAAGTTAAGCCAGTAGTTGGAGCT  
 GTGATGGTCTGAGTTATATGCAGCATCCAGCTTTCAAGCTGATGTGTCCTTAGGCAATGAGGCGGCTG  
 TGCCCTTGTGAGGAAGAGGAGGCATCAACACTTACATCCCTCTAATCAGTCTCCCTTTAGTTCTGGCTT  
 CCCTTACCAACTGCAGCCACCAGGCAGCTGCTTCCGAGGAGCCCATCTGAGGGGCGAGGGCGGACA  
 GTGATGGTGCAGTCCGAGCGGTACCTCCAACAGCCATCCCCGCATCCAGGTGTGTTTACCAGGACG  
 GATTTTACGGTGTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCGC  
 AGCCACAGCTGCTGCAGCCGCTGCAGCCGCTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCC  
 TACCATGCCCTCGCCCTGCCGCCAGCTATGGAGTTGGCCTGTGGCGAGTTTGTACCGAGGTGGCTACA  
 GCCGATTTGCCCCCTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG221963 representing NM\_053104  
 Red=Cloning site Green=Tags(s)

MAEGGQAQQPPQLGPGAAARGMKRESEVELPVPGAGADGPEPGLSKRPRTEEAADGGMQNEPLTPGYHG  
 FPARDGQGNQEPTTTPDAMVQPFITIPFPPPPQNGIPIEYGVPHQTQDYAGQTSEHNLTLYGSTQPHGEQS  
 SNSPSNQNGSLTQTEGGAQTDGQSQTSSENSESKSTPKRLHVSNIPIFRFRDPLRQMFQFGKILDVE  
 IIFNERGSKGFVTFENSADADRAREKLHGTVVEGRKIEVNATARVMTNKKMVTPIYANGWKLSPVVGA  
 VYGPELYAASSFQADVSLGNEAAVPLSGRGGINTYIPLISLPLVPGFPYPTAATTAFAFRGAHLRGRGRT  
 VYGAVRAVPPTAIPAYPGVVYQDGFYGDLYGGYAAARYAQPATAATAAAAAAAAAAYSDDYGRVYTADP  
 YHALAPAASYGVGAVASLYRGGYSRFAPY

**TRTRPLE** - GFP Tag - V

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1962\\_e06.zip](https://cdn.origene.com/chromatograms/ja1962_e06.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_053104

**ORF Size:** 1347 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:**

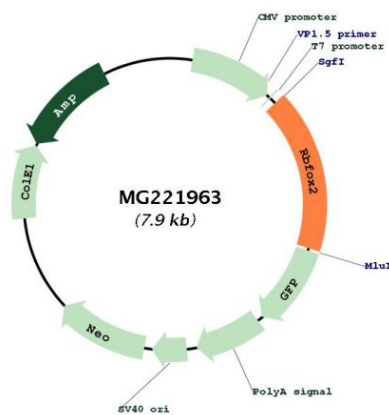
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_053104.6](#)

RefSeq Size: 7048 bp  
 RefSeq ORF: 1350 bp  
 Locus ID: 93686  
 UniProt ID: [Q8BP71](#)  
 Cytogenetics: 15 D3

**Gene Summary:** RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis. Seems to act as a coregulatory factor of ER-alpha (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG221963