

Product datasheet for **MR221963**

Rbfox2 (NM_053104) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox2 (NM_053104) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbfox2
Synonyms:	Fbm2; Fxh; Hrnbp2; Rbm9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221963 representing NM_053104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAAGCGGCCAGGCGCAGCAGCAGCCGCCTCAGCTCGGGCCCGCGCTGCCGCCGGGCATGA
 AGCGGGAGTCGGAGGTGGAGTTGCCGGTGCCCGAGCGGGGCGACGACCGACCCGAGCCCGCCTGAGCAA
 GCGGCCACGCACAGAGGAGGCGGCCGACGGCGGGATGCAGAACGAGCCACTGACCCCGGTTATCATGGA
 TTCCAGCAAGGGATGGCCAGGGTAACAGGAGCAACAACAACCTCTGACGCAATGTTTTCAGCCTTTTA
 CTACCATCCCCTCCACCACCTCCACAAAATGGAATTCACAGAAATATGGAGTGCCACACACTCAGGA
 CTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAACAGAGT
 AGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGAGCACAGACAGACGGACAAC
 AGTCACAGACACAAAGTAGTAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTTAATAT
 TCCCTTCCGCTCCGAGACCCTGACCTCCGGCAGATGTTTGGGCAGTTTGGCAAAATCCTAGATGTGAA
 ATAATCTTTAATGAGCGCGGCTCCAAGGGATTCGGGTTCTGTAACCTTCGAGAATAGTGCTGATGCAGACA
 GGGCCAGGGAGAAATGCACGGCACCGTGGTAGAGGGCCGTAATAATGCAACAGCAGC
 GGTGATGACCAACAAGAAGATGGTACGCCATATGCAAAATGGCTGGAAGTTAAGCCAGTAGTTGGAGCT
 GTGTATGGTCTGAGTTATATGCAGCATCCAGCTTCAAGCTGATGTGTCCTTAGGCAATGAGGCGGCTG
 TGCCCTTGTGAGGAAGAGGAGGCATCAACACTTACATCCCTCTAATCAGTCTCCCTTTAGTTCCTGGCTT
 CCCTTACCAACTGCAGCCACCAGGCAGCTGCTTCCGAGGAGCCCATCTGAGGGGAGAGGGCGGACA
 GTGTATGGTGCAGTCCGAGCGGTACCTCCAACAGCCATCCCCGCATCCAGGTGTGTTTACCAGGACG
 GATTTTACGGTGTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCGC
 AGCCACAGCTGCTGCAGCCGCTGCAGCCGCTTACAGCGACGTTACGGCAGGGTGTACACAGCTGACCCC
 TACCATGCCCTCGCCCTGCCGCCAGCTATGGAGTTGGCCTGTGGCGAGTTTGTACCGAGGTGGCTACA
 GCCGATTTGCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221963 representing NM_053104
 Red=Cloning site Green=Tags(s)

MAEGGQAQQPPQLGPGAAARGMKRESEVELPVPGAGADGPEPGLSKRPRTEEAADGGMQNEPLTPGYHG
 FPARDGQGNQEPTTTPDAMVQPFITIPFPPPPQNGIPTTEYGVPHQTQDYAGQTSEHNLTLYGSTQPHGEQS
 SNSPSNQNGLTQTEGGAQTDGQSQTSSENSESKSTPKRLHVSNIPIFRFRDPLRQMFQGFKILDVE
 IIFNERGSKGFGFVTFENSADADRAREKLHGTVVEGRKIEVNATARVMTNKKMVTPTYANGWKLSPVVGA
 VYGPELYAASSFQADVSLGNEAAVPLSGRGGINTYIPLISLPLVPGFPYPTAATTAFAFRGAHLRGRGRT
 VYGAVRAVPPTAIPAYPGVYVYQDGFYGDLYGGYAAARYAQPATATAATAAAAAAAAAYSYDGYGRVYTADP
 YHALAPAASYGVGAVASLYRGGYSRFAPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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 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.

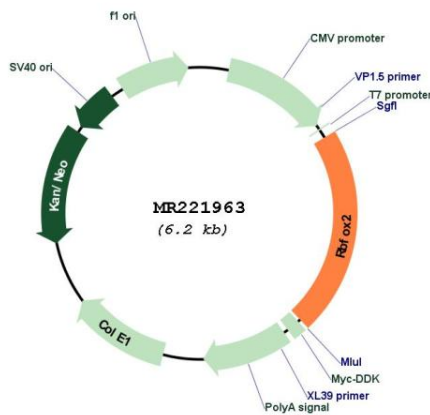
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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
MW: 47.8 kDa

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 MR221963