

Product datasheet for **MR221967**

Rbfox2 (NM_001110827) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox2 (NM_001110827) 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:

>MR221967 representing NM_001110827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAAGCGGCCAGGCGCAGCAGCAGCCGCCTCAGCTCGGGCCCGGCGCTGCCGCCGGGGCATGA
 AGCGGGAGTCGGAGGTGGAGTTGCCGGTGCCCGGAGCGGGGCGACGACGGACCCGAGCCCGCCTGAGCAA
 GCGGCCACGCACAGAGGAGGCGGCCGACGGCGGGATGCAGAACGAGCCACTGACCCCGGGTTATCATGGA
 TTCCAGCAAGGGATGGCCAGGGTAACAGGAGCAACAACAACCTCTGACGCAATGTTTTCAGCCTTTTA
 CTACCATCCCCTCCACCACCTCCACAAAATGGAATTCACAGAAATATGGAGTGCCACACACTCAGGA
 CTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAACAGAGT
 AGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGAGCACAGACAGACGGACAAC
 AGTCACAGACACAAAGTAGTAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTTAATAT
 TCCCTTCCGCTTCCGAGACCCTGACCTCCGGCAGATGTTTGGGCAGTTTGGCAAAATCCTAGATGTGAA
 ATAATCTTTAATGAGCGCGGCTCCAAGGGATTCGGGTTTCGTAACCTTCGAGAATAGTGCTGATGCAGACA
 GGGCCAGGGAGAAATGCACGGCACCGTGGTAGAGGGCCGTAATAATGCAACAGCAGC
 GGTGATGACCAACAAGAAGATGGTACGCCATATGCAAAATGGCTGGAAGTTAAGCCAGTAGTTGGAGCT
 GTGTATGGTCTGAGTTATATGCAGCATCCAGCTTCAAGCTGATGTGTCCTTAGGCAATGAGGCGGCTG
 TGCCCTTGTGAGGAAGAGGAGGCATCAACACTTACATCCCTCTAATCATTCTGGCTTCCCTTACCCAAC
 TGCAGCCACCACGGCAGCTGCTTCCGAGGAGCCATCTGAGGGGAGAGGGCGGACAGTGTATGGTGCA
 GTCCGAGCGGTACCTCCAACAGCCATCCCCGCCTATCCAGGTGTGGTTTACCAGGACGGATTTACGGTG
 CTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCGCAGCCACAGCTGC
 TGAGCCCGCTGCAGCCGCTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCCTACCATGCCCTC
 GCCCTGCCGCCAGCTATGGAGTTGGCGCTGTGGCGAGTTTGTACCGAGGTGGCTACAGCCGATTTGCC
 CCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221967 representing NM_001110827
 Red=Cloning site Green=Tags(s)

MAEGGQAQQPPQLGPGAAARGMKRESEVELPVPAGADGPEPGLSKRPRTEEAADGGMQNEPLTPGYHG
 FPARDGQGNQEPTTTPDAMVQPFITIPFPPPPQNGIPTTEYGVPHQTQDYAGQTSEHNLTLYGSTQPHGEQS
 SNSPSNQNGLTQTEGGAQTDGQSQTSSENSESKSTPKRLHVSNIPIFRFRDPLRQMFQGFKILDVE
 IIFNERGSKGFGFVTFENSADADRAREKLHGTVVEGRKIEVNATARVMTNKKMVTPIYANGWKLSPVVGA
 VYGPELYAASSFQADVSLGNEAAVPLSGRGGINTYIPLIIPGFYPTAATTAFAFRGAHLRGRGRVYGA
 VRAVPPTAIPAYPGVVYQDGFYGDLYGGYAAARYAQPATATAATAAAAAAAYS DGYGRVYTADPYHAL
 APAASYGVGAVASLYRGGYSRFAPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001110827

ORF Size: 1335 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_001110827.2](#)
RefSeq Size: 7036 bp

RefSeq ORF: 1338 bp

Locus ID: 93686

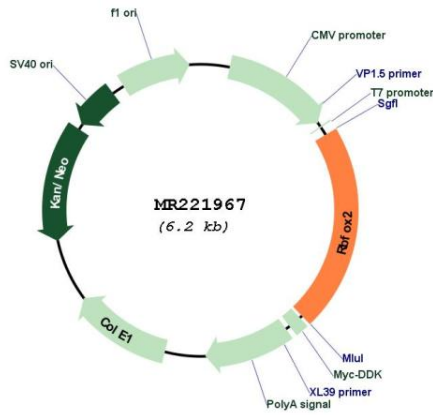
UniProt ID: [Q8BP71](#)

Cytogenetics: 15 D3

MW: 47.4 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 MR221967