

## Product datasheet for MR222205

### Rbfox2 (NM\_001110828) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox2 (NM_001110828) 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)
ORF Nucleotide Sequence:	>MR222205 representing NM_001110828 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCGAGGCAACAACAACCTCTGACGCAATGGTTCAGC  
CTTTTACTACCATCCCGTCCCACCACCTCCACAAAATGGAATCCCACAGAATATGGAGTGCCACACAC  
TCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAA  
CAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGAGCACAGACAGACG  
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CAGACAGGGCCAGGGAGAAAATGACACGGCACCGTGGTAGAGGGCCGTAATCGAGGTGAATAATGCAAC  
AGCACGGGTGATGACCAACAAGAAGATGGTCACGCCATATGCAAAATGGCTGGAAGTTAAGCCAGTAGTT  
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CGGCTGTGCCCTTGTGAGGAAGAGGAGGCATCAACTTACATCCCTCTAATCAGTCTCCCTTAGTTCC  
TGGCTTCCCTTACCAACTGCAGCCACCACGGCAGCTGCTTCCGAGGAGCCCATCTGAGGGCCAGAGGG  
CGGACAGTGTATGGTGCAGTCCGAGCGGTACCTCCAACAGCCATCCCGCCTATCCAGGTGGTTTACC  
AGGACGGATTTTACGGTGTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGC  
AACCGCAGCCACAGCTGTGTCAGCCGCTGCAGCCGCTTACAGCGACGGTACGGCAGGGTGTACACAGCT  
GACCCCTACCATGCCCTCGCCCCTGCCGCCAGCTATGGAGTTGGCGCTGTGGCGAGTTTGTACCGAGGTG  
GCTACAGCCGATTTGCCCTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222205 representing NM\_001110828  
Red=Cloning site Green=Tags(s)

```
MEKKKMVTQGNQEPTTTPDAMVQPFTTIPFPPPPQNGIPTEYGVPHQTQDYAGQTSEHNL TLYGSTQPHGE
QSSNSPSNQNGSLTQTEGGAQTDGQSQTSSENSESKSTPKRLHVSNI PFRFRDPLRQMFGQFGKILD
VEIIFNERGSKGFGFVTFENSADADRAREKLHGTVVEGRKIEVNNATARVMTNKKMVTPTYANGWKLSPVV
GAVYGPELYAASSFQADVSLGNEAAVPLSGRGGINTYIPLISLPLVPGFPYPTAATTA AAFRGAHLRGRG
RTVYGAVRAVPPTAIPAYPGVVYQDGFYGDLYGGYAA YRPAATATAATAAAAAAAAAA YSDGYGRVYTA
DPYHALAPAASYGVGAVASLYRGGYSRFAPY
```

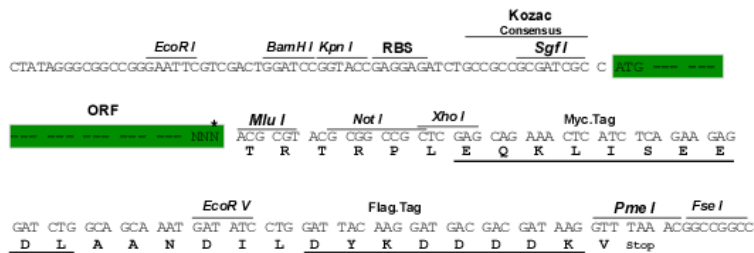
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9034\\_g03.zip](https://cdn.origene.com/chromatograms/mm9034_g03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001110828

**ORF Size:** 1143 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\\_001110828.2](#)

**RefSeq Size:** 6590 bp

**RefSeq ORF:** 1146 bp

**Locus ID:** 93686

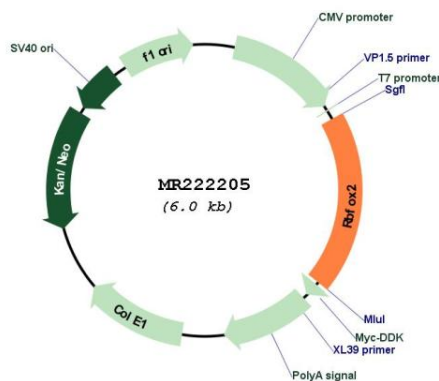
**UniProt ID:** [Q8BP71](#)

**Cytogenetics:** 15 D3

**MW:** 41 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 MR222205