

Product datasheet for **MG221971**

Rbfox2 (NM_001110830) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox2 (NM_001110830) 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)
ORF Nucleotide Sequence: >MG221971 representing NM_001110830
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCAGGAGCCAACAACAACCTCTGACGCAATGGTTCAGC
CTTTTACTACCATCCCGTCCCACCACCTCCACAAAATGGAATCCCACAGAATATGGAGTGCCACACAC
TCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACCCTCTACGGGAGTACGCAGCCTCATGGAGAA
CAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGAGCACAGACAGACG
GACAACAGTCACAGACACAAAGTAGTAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTC
TAATATCCCTTCCGCTCCGAGACCCTGACCTCCGGCAGATGTTTGGGAGTTTGGCAAAATCCTAGAT
GTGGAAAATAATCTTAAATGAGCGCGGCTCCAAGGGATTCCGGTTCGTAACCTTCGAGAATAGTGCTGATG
CAGACAGGGCCAGGGAGAAAATGACACGGCACCGTGGTAGAGGGCCGTAATAATCGAGGTGAATAATGCAAC
AGCACGGGTGATGACCAACAAGAAGATGGTCACGCCATATGCAAAATGGCTGGAAGTTAAGCCAGTAGTT
GGAGCTGTGTATGGTCTGAGTTATATGCAGCATCCAGCTTCAAGCTGATGTGTCCCTAGGCAATGAGG
CGGCTGTGCCCTGTGAGGAAGAGGAGGCATCAACTTACATCCCTCTAATCATTCTGGCTTCCCTTA
CCCAACTGCAGCCACCACGGCAGCTGCTTCCGAGGAGCCCATCTGAGGGGCAGAGGGCGGACAGTGTAT
GGTGCAGTCCGAGCGGTACCTCCAACAGCCATCCCCGCTATCCAGGTGTGGTTTACCAGGACGGATTTT
ACGGTGTGACCTCTATGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCGCAGCCAC
AGCTGCTGCAGCCGCTGCAGCCGTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCCTACCAT
GCCCTCGCCCTGCCCCAGCTATGGAGTTGGCGCTGTGGCGAGTTGTACCGAGGTGGCTACAGCCGAT
TTGCCCTTAC

ACGGTACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221971 representing NM_001110830
Red=Cloning site Green=Tags(s)

```
MEKKKMVTQGNQEPTTTPDAMVQPFTTIPFPPPPQNGIPTEYGVPHQTQDYAGQTSEHNL TLYGSTQPHGE
QSSNSPSNQNGSLTQTEGGAQTDGQQSQTSSENSESKSTPKRLHVSNI PFRFRDPDLRQMFGQFGKILD
VEIIFNERGSKGFGFVTFENSADADRAREKLHGT VVEGRKIEVNNATARVMTNKKMVTPTYANGWKLSPVV
GAVYGP ELYAASSFQADVSLGNEAAVPLSGRGGINTYIPLIIPGFYPTAATTA AAFRGAHLRGRGRTVY
GAVRAVPPTAIPAYPGVYVYQDGFY GADLYGGYAA YRYAQPATATAATAAAAAAAA YSDGYGRVYTADPYH
ALAPAASYGVGAVASLYRGGYSRFAPY
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001110830

ORF Size: 1131 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_001110830.2](#)

RefSeq Size: 6578 bp

RefSeq ORF: 1134 bp

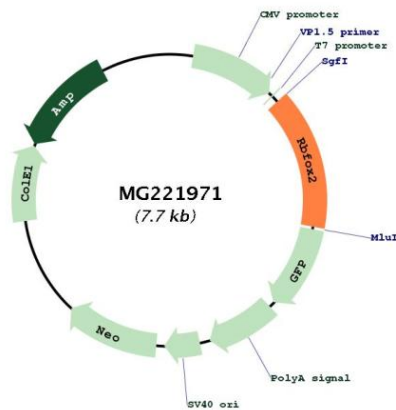
Locus ID: 93686

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 MG221971