

Product datasheet for **MG221969**

Rbfox2 (NM_001110829) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox2 (NM_001110829) 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: >MG221969 representing NM_001110829
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAGAAAAAGAAAATGGTAACTCAGGGTAACCAGGAGCCAACAACAACCTCTGACGCAATGGTTCAGC
 CTTTTACTACCATCCCGTCCCACCACCTCCACAAAATGGAATCCCACAGAATATGGAGTGCCACACAC
 TCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACCCTACGGGAGTACGCAGCCTCATGGAGAA
 CAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGAGCACAGACAGACG
 GACAACAGTCACAGACACAAAGTAGTAAAATTCAGAGAGTAAATCTACGCCAAGCGACTACATGTCTC
 TAATATCCCTTCCGCTCCGAGACCCTGACCTCCGGCAGATGTTGGGCAGTTTGGCAAAATCCTAGAT
 GTGGAAATAATCTTAAATGAGCGCGCTCCAAGGGATTCCGGTTCGTAACCTTCGAGAATAGTGCTGATG
 CAGACAGGGCCAGGGAGAAAATGACACGGCACCGTGGTAGAGGGCCGTAATCGAGGTGAATAATGCAAC
 AGCACGGGTGATGACCAACAAGAAGATGGTCACGCCATATGCAAAATGGCTGGAAGTTAAGCCAGTAGTT
 GGAGCTGTGTATGGTCTGAGTTATATGCAGCATCCAGCTTCAAGCTGATGTGTCCCTAGGCAATGAGG
 CGGCTGTGCCCTGTGAGGAAGAGGAGGCATCAACACTTACATCCCTCTAATCATTCTGGCTTCCCTTA
 CCCAAGTGCAGCCACCACGGCAGCTGCTTCCGAGGAGCCATCTGAGGGCAGAGGGCCGACAGTGTAT
 GGTGCACTCCGAGCGGTACCTCCAACAGCCATCCCCGCTATCCAGGAATAGTGTACAGGAACCAATCA
 TTAGCGCTAAAATACCTCAGGGTGGATATGCAGCCTACAGATATGCACAGCCTGCTACTGCAACCCGAGC
 CACAGCTGCTGCAGCCGCTGCAGCCGTTACAGCGACGGTTACGGCAGGGTGTACACAGCTGACCCCTAC
 CATGCCCTCGCCCTGCCGCCAGCTATGGAGTTGGCGCTGTGGCGAGTTGTACCGAGGTGGCTACAGCC
 GATTTGCCCTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG221969 representing NM_001110829
 Red=Cloning site Green=Tags(s)

```
MEKKKMVTQGNQEPTTTPDAMVQPFTTIPFPPPPQNGIPTEYGVPHQTQDYAGQTSEHNL TLYGSTQPHGE
QSSNSPSNQNGSLTQTEGGAQTDGQQSQTSSENSESKSTPKRLHVSNI PFRFRDPLRQMFGQFGKILD
VEIIFNERGSKGFGFVTFENSADADRAREKLHGTVVEGRKIEVNNATARVMTNKKMVTYPYANGWKLSPVV
GAVYGPELYAASSFQADVSLGNEAAVPLSGRGGINTYIPLIIPGFYPTAATTA AAFRGAHLRGRGRTVY
GAVRAVPPTAIPAYPGI VLQEPIISAKIPQGGY AAYRYAQPATATAATAAAAAAAA YSDGYGRVYTADPY
HALAPAASYGVGAVASLYRGGYSRFAPY
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001110829

ORF Size: 1134 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_001110829.2](#)

RefSeq Size: 6581 bp

RefSeq ORF: 1137 bp

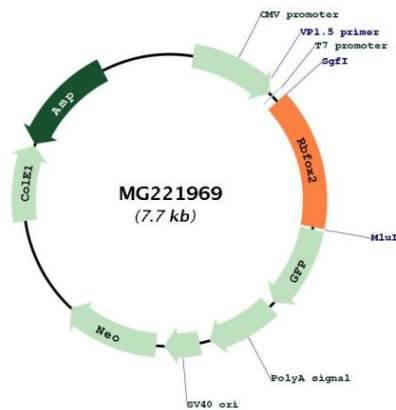
Locus ID: 93686

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 MG221969