

Product datasheet for **RR201364**

Rbfox2 (NM_001079895) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Rbfox2 (NM_001079895) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Rbfox2 |
| Synonyms: | Rbm9 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR201364 representing NM_001079895
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAAGCGGCCAGGCACAGCAGCAGCCGCCTCAGCTCGGGCCCGCGCTGCCGCCGGGGCATGA
 AGCGGGAGTCGGAGGTGGAGCTGCCGGTGCCCGGAGCGGGGCGAGACGGACCCGAGCCCGCCTGAGCAA
 GCGGCCACGCACAGAGGAGGCGGCCGACGAAGGGATGCAGGGTAACCAGGAGCCAACAACAACCTCTGAC
 GCAATGGTTTACGCTTTTACTACCATCCCATTCCACCACCTCCACAGAACGGAATCCACAGAAATATG
 GAGTGCCACACTCAGGACTATGCCGGCCAGACCAGTGAACATAACCTGACACTCTACGGGAGTTCACA
 GCCCATGGAGAACAGAGTAGCAATTCACCCAGCAACCAGAATGGATCTCTCACGCAGACAGAAGGTGGA
 GCACAGACAGACGACAACAGTACAGACACAAAGTAGTAAAAATTCAGAGAGTAAATCCACGCCCAAGC
 GACTACATGTCTAATATTCCTTCCGCTTCCGGGACCCTGACCTCCGGCAGATGTTTGGCGAGTTTGG
 CAAAATCTAGATGTGGAATAATCTTTAATGAGCGCGGTCCAAGGGATTCGGGTTTCGTAACCTTTCGAG
 AATAGTGTCTGATGCAGACAGGGCCAGGGAGAAATTCACGGCACCGTGGTAGAGGGCCGTAATAATCGAGG
 TGAATAATGCTACCGCACGGGTCATGACCAACAAGAAGATGGTACACCATATGCAATGGCTGGAAGTT
 AAGCCAGTAGTTGGAGCTGTGTACGGCCCTGAGTTATATGCAGCATCCAGCTTTCAGCTGATGTGTCC
 CTAGGCAATGAGGCGGCTGTGCCCTTGTGAGGAAGAGGGGGCATCAACACTTACATTCCTCTAATCAGTC
 TCCCTTATAGTTCCCTGGCTTCCCTTACCCAACCTGCAGCCACCACAGCAGCCGCTTTCAGAGGAGCCCATCT
 GAGGGGACAGGGGCGGACAGTGTATGGTGCAGTGCAGCGGTACCTCCAACAGCCATCCCCGCTATCCA
 GGTGTGGTTTACCAGGACGGATTTACGGTGTGACCTCTATGGTGGATATGCAGCCTACAGATATGCAC
 AGCCTGCTACTGCAACCCGAGCCACAGCTGCTGCAGCCGCTGCAGCCGCTTACAGCGACGGTTACGGCAG
 GGTGTACACAGCTGACCCCTACCATGCCCTCGCCCTGCCGCCAGCTATGGAGTTGGCGCTGTGGCGAGT
 TTGTACCGAGGTGGCTACAGCCGATTTGCCCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201364 representing NM_001079895
 Red=Cloning site Green=Tags(s)

MAEGGQAQQPPQLGPGAAARGMKRESEVELPVPGAGADGPEPGLSKRPRTEEADEGMQGNQEPTTTPD
 AMVQPFITIPPPPPQNGIPTEYGVPHQTQDYAGQTSEHNLTLYGSSQPHGEQSSNSPSNQNGLTQTEGG
 AQTDDGQSQTSSENSESKSTPKRLHVSNIFFRFRDPLRQMFQFGKILDVEIIFNERGSKGFGFVTFE
 NSADADRAREKLHGTVVEGRKIEVNNATARVMTNKKMVTPTYANGWKLSPVVGAVYGPETYAASSFQADVS
 LGNEAAVPLSGRGGINTYIPLISLPLVPGFPYPTAATTAARFRGAHLRGRGRTVYGAVRVPPTAIPAYP
 GVYYQDFYADLYGGYAAARYAQPATATAATAAAAAAAYSDGYGRVYTADPYHALAPAASYGVGAVAS
 LYRGGYSRFAPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001079895

ORF Size: 1296 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_001079895.1](#), [NP_001073364.1](#)

RefSeq Size: 1971 bp

RefSeq ORF: 1299 bp

Locus ID: 362950

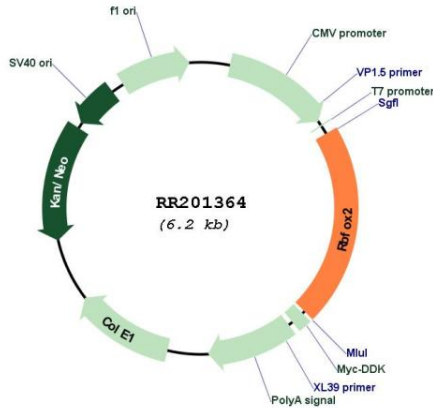
UniProt ID: [A1A5R1](#)

Cytogenetics: 7q34

MW: 45.6 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 RR201364