

## Product datasheet for MR206201

### Rbfox1 (NM\_021477) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox1 (NM_021477) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbfox1
Synonyms:	A2bp; A2bp1; fox-1; Hrnbp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206201 representing NM_021477 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAATTGTGAAAGAGAGCAGCTGAGGGTAAATCAGGAAGCAGCCGCCCCCTGACACAATGGCTCAGC  
CTTATGCCTCAGCGCAGTTTCGCACCACCCAGAATGGCATCCCTGCAGAATACACGGCCCTCATCTCA  
TCCCGGCCAGAGTACACCGCCAGACCACTGTCCCTGACCACACATTAACCTGTATCCTCTACACAG  
ACGCACTCGGAGCAGAGTGCTGACACCAGTGCAGACCGTCTCCGGCACCGCCACACAGACAGATGATG  
CAGCCCGACCGACGGCCAGCCCGACACAACTTCTGAAAACACAGAAAGCAAGTCCCAGCCCAAGCG  
GCTGCATGTGTCCAACATCCCTTCCGGTTCGGGATCCAGACCTCCGACAAATGTTTGGTCAATTTGGT  
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ATAGTGCAGGATGCGGACAGGGCGAGGGAGAAATGCACGGTACCGTGGTAGAGGGCCGTAATCGAGGT  
TAATAATGCGACAGCAGCGTGATGACAAATAAGAAGACTGTCAACCCCTACACCAATGGCTGAAATTA  
AATCCAGTTGTGGCGCGGTCTACAGCCCGACTTCTATGCAGGCACGGTGTGTGTGCCAGGCCAAC  
AGGAGGGATCTCCATGTACAGTGGCCCGACTTCACTTGTATATACTTCTGCAATGCCTGGCTCCCAT  
TCCGGCCGCACTGCTGCAGCTGCATACCGAGGGGTCACCTTCGAGGCCGTGGTGCACCGTGTACAAC  
ACCTTCAGGGCTGCAGCGCCCGCCCAATCCGGCCTATGGCGGTGTTGTTTACCAGGATGGATTTT  
ATGGTGCAGACATTTATGGTGGTTATGCTGCGTACCGCTATGCCAGCCACCCCTGCCACTGCCGCTGC  
CTACAGTGACAGTTACGGACGAGTTTATGCTGCCGACCCCTACCACCACACACTTGTCCAGCCCCACC  
TACGGCGTTGGTGCCATGAATGCTTTTGCGCCCTTGACCGATGCCAAGACTAGGAGCCATGCTGATGATG  
TGGGTCTGTTCTTTCTCATTGCAGGCTAGTATATACCGAGGGGGATACAACCGTTTTGCTCCATAT

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206201 representing NM\_021477  
 Red=Cloning site Green=Tags(s)

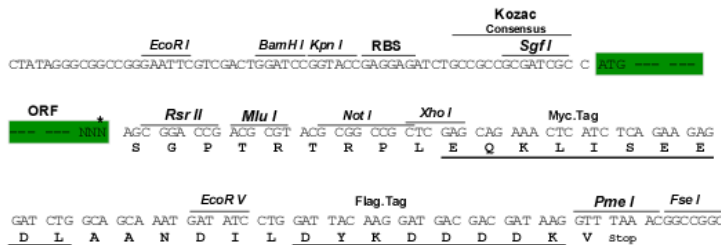
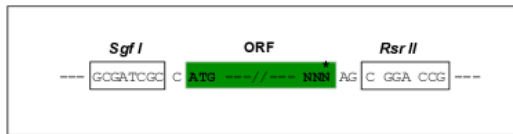
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 THSEQSADTSAQTVSGTATQTDAAPTDGPQTQPSENTEKSKSQPKRLHVSNIPIFRFRDPLRQMFQQFG  
 KILDVEIIFNERGSKGFGVTFENSADADRAREKLHGTVVEGRKIEVNNATARVMTNKKTVNPTYNGWKL  
 NPVVGAVYSPDFYAGTVLLCQANQEGSSMYSGPSLLVYTSAMPGFYPYPAATAAAAAYRGAHLRGRGRTVYN  
 TFRAAAPPPIPAYGGVYQDGFYGADIYGGYAAARYAQPTPATAAAYSDSYGRVYAADPYHHTLAPAPT  
 YGVGAMNAFAPLTDAKTRSHADDVGLVLSLQASIRGGYNRFAPY

SGPTRRRL**EQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_021477

**ORF Size:** 1188 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\\_021477.5](#)

**RefSeq Size:** 3897 bp

**RefSeq ORF:** 1191 bp

**Locus ID:** 268859

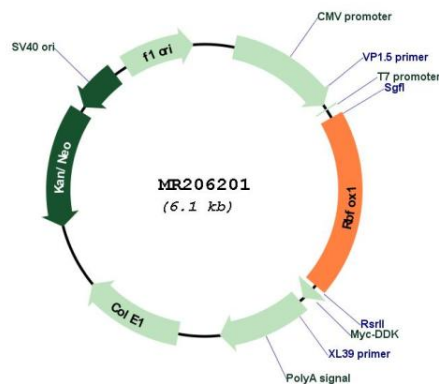
**UniProt ID:** [Q9JJ43](#)

**Cytogenetics:** 16 3.34 cM

**MW:** 43.1 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. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206201