

## Product datasheet for MR216555

### Rbfox1 (NM\_183188) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rbfox1 (NM_183188) 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:	>MR216555 representing NM_183188 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGCGTCGCAAGGAGTCCTTCTGCATTCTTATGGCGTGCCCATGATTGTGCCTGCTGCCCCCTACT  
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CGTTCTTCTTTCATTGCAGGCTAGTATATACCGAGGGGATACAACCGTTTTGCTCCATAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR216555 representing NM\_183188  
Red=Cloning site Green=Tags(s)

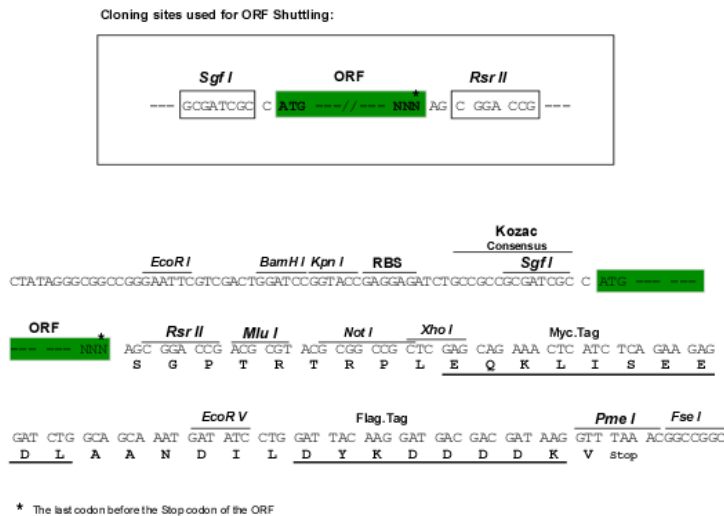
MLASQGVLLHSYGVPMIVPAAPYFPGLMQGNQEAAPDTMAQPYASAQFAPPQNGIPAEYTAPHPHPAP  
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 SNIPFRFRDPLRQMFQGF GKILDVEIIFNERGSKGFGVTFENSADADRAREKLHGTVVEGRKIEVNNA  
 TARVMTNKKTVNPNYTNQWKLNPVVGAVYSPDFYAGTVLLCQANQEGSSMYSGPSSLVYTSAMPGFYPYAA  
 TAAAAAYRGAHLRGRGRTVYNTFRAAAPPPPYPAYGGVVYQEPVYGNKLLQGGYAA YRYAQPTPATAAAYS  
 DSYGRVYAADPYHHTLAPPTYGVGAMNAFAPL TDAKTRSHADDVGLVLSLQASIRGGYNRFAPY

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9070\\_f05.zip](https://cdn.origene.com/chromatograms/mm9070_f05.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_183188

**ORF Size:** 1251 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\\_183188.2](#), [NP\\_899011.2](#)

**RefSeq Size:** 4102 bp

**RefSeq ORF:** 1254 bp

**Locus ID:** 268859

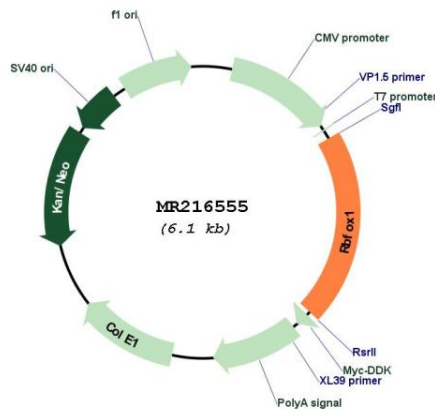
**UniProt ID:** [Q9J143](#)

**Cytogenetics:** 16 3.34 cM

**MW:** 44.7 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 MR216555