

Product datasheet for **MG216555**

Rbfox1 (NM_183188) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbfox1 (NM_183188) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rbfox1
Synonyms: A2bp; A2bp1; fox-1; Hrnbp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216555 representing NM_183188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGGCGTCGCAAGGAGTCCTTCTGCATTCTTATGGCGTGCCCATGATTGTGCCTGCTGCCCCCTACT
 TCCCGGGACTGATGCAGGGTAATCAGGAAGCAGCCGCCGCCCTGACACAATGGCTCAGCCTTATGCCTC
 AGCGCAGTTCGCACCACCCAGAATGGCATCCCTGCAGAATACACGGCCCTCATCCTCATCCCGGCCA
 GAGTACACCGGCCAGACCACTGTCCCTGACCACACATTAACCTGTATCCTCCTACACAGACGCACTCGG
 AGCAGAGTGTGACACCAGTGCAGACCGTCTCCGGCACGCCACACAGACAGATGATGCAGCCCCGAC
 CGACGGCCAGCCCCAGACACAACCTTCTGAAAACACAGAAAGCAAGTCCCAGCCCAAGCGGTGCATGTG
 TCCAACATCCCTTCCGGTTCGGGATCCAGACCTCCGACAAATGTTTGGTCAATTTGGTAAAATATTAG
 ATGTTGAAATTATTTTAAATGAGCGAGGCTCCAAGGGATTTGGTTTCGTAACCTTCGAAAATAGTGCGGA
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 ACAGCACGCGTGATGACAAAATAAGAACTGTCAACCCCTACACCAATGGCTGAAAATTAATCCAGTTG
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 TTCCATGTACAGTGGCCCCAGTTCACCTTGTATATACTTCTGCAATGCCTGGCTTCCCATATCCGGCCGCC
 ACTGCTGCAGCTGCATACCGAGGGGCTCACCTTCGAGGGCGTGGTGCACCGGTGTACAACACCTTCAGGG
 CTGCAGCGCCCCGCCCAATCCCGGCTATGGCGGAGTAGTGTATCAAGAGCCAGTGTATGGCAATAA
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 GACAGTTACGGACGAGTTTATGCTGCCACCCCTACCACCACACACTTGTCCAGCCCCACCTACGGCG
 TTGGTGCCATGAATGCTTTTGGCCCTTGACCGATGCCAAGACTAGGAGCCATGCTGATGATGGGTCT
 CGTTCTTCTTTCATTGCAGGCTAGTATATACCGAGGGGGATACAACCGTTTTGCTCCATAT

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216555 representing NM_183188
 Red=Cloning site Green=Tags(s)

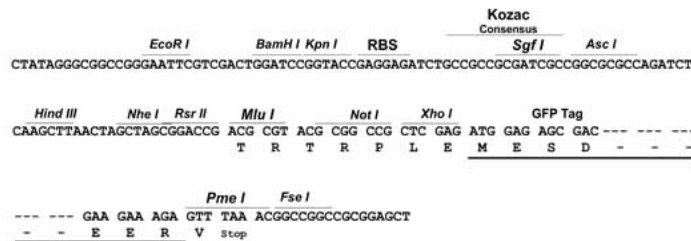
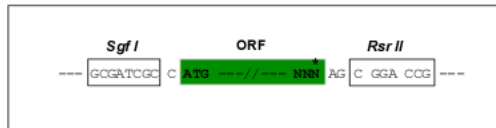
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 EYTGQTTVPDHTLNLYPPTQTHSEQSADTSAQTVSGTATQTDDAAPT DGGPQTQPS
 ENTESKSSQPKRLHV SNIPFRFRDPLRQMFQGF GKILDVEIIFNERGSKGFGFVTFENS
 ADADRAREKLGHTVVEGRKIEVNNA TARVMTNKKTVNPNYTNQWKLNPVVGAVYSPDFY
 AGTVLLCQANQEGSSMYSGPSSLVYTSAMPGFYPYAA TAAAAYRGAHLRGRGRTVYNT
 FRAAAPPPPPIPAYGGVVYQEPVYGNKLLQGGYAA YRYAQPPTATAAAYS DSYGRVYAAD
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SGP TRRRLE - GFP Tag - V

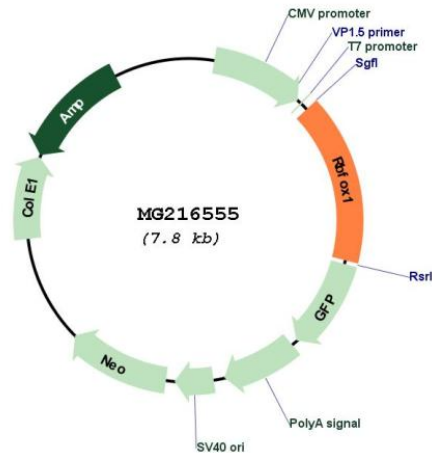
Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	Q9JJ43
Cytogenetics:	16 3.34 cM
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]