

Product datasheet for **MG206201**

Rbfox1 (NM_021477) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Rbfox1 (NM_021477) 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: | >MG206201 representing NM_021477 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTGTGAAAGAGAGCAGCTGAGGGTAATCAGGAAGCAGCCGCCCCCTGACACAATGGCTCAGC
CTTATGCCTCAGCGCAGTTCGCACCACCCAGAATGGCATCCCTGCAGAATACACGGCCCTCATCTCA
TCCCGCGCAGAGTACACCGCCAGACCACTGTCCCTGACCACACATTAACCTGTATCCTCTACACAG
ACGCACTCGGAGCAGAGTGCTGACACCAGTGCGCAGACCGTCTCCGGCACCGCCACACAGACAGATGATG
CAGCCCCGACCGGCCAGCCCCAGACACAACCTTCTGAAAACACAGAAAGCAAGTCCCAGCCCAAGCG
GCTGCATGTGTCCAACATCCCTTCCGGTTCGGGATCCAGACCTCCGACAAATGTTTGGTCAATTTGGT
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ATAGTGCGGATGCGGACAGGGCGAGGGAGAAATTGCACGGTACCGTGGTAGAGGGCCGTAATAATCGAGGT
TAATAATGCGACAGCAGCGTGATGACAAATAAGAAGACTGTCAACCCCTACACCAATGGCTGGAATTA
AATCCAGTTGTGGGCGCGGTCTACAGCCCCGACTTCTATGCAGGCACGGTGTGTGTGCCAGGCCAACC
AGGAGGGATCTTCCATGTACAGTGGCCCCAGTTCACTTGTATATACTTCTGCAATGCCTGGCTTCCCATA
TCCGGCCGCACTGCTGCAGTGCATACCGAGGGGCTCACCTCGAGGCCGTGGTCGCACCGTGTACAAC
ACCTTCAGGGCTGCAGCGCCCCGCCCAATCCCGCCTATGGCGGTGTTGTTTACCAGGATGGATTTT
ATGGTGACAGATTTATGGTGGTTATGCTGCGTACCGCTATGCCAGCCACCCCTGCCACTGCCGCTGC
CTACAGTGACAGTTACGACGAGTTTATGCTGCCGACCCCTACACCACACACTTGTCCAGCCCCACC
TACGGCGTTGGTGCCATGAATGCTTTTGCGCCCTTGACCGATGCCAAGACTAGGAGCCATGCTGATGATG
TGGGTCTGTTCTTTCTTATTGACGGCTAGTATATACCGAGGGGATACAACCGTTTTGCTCCATAT

AGCGGACCGACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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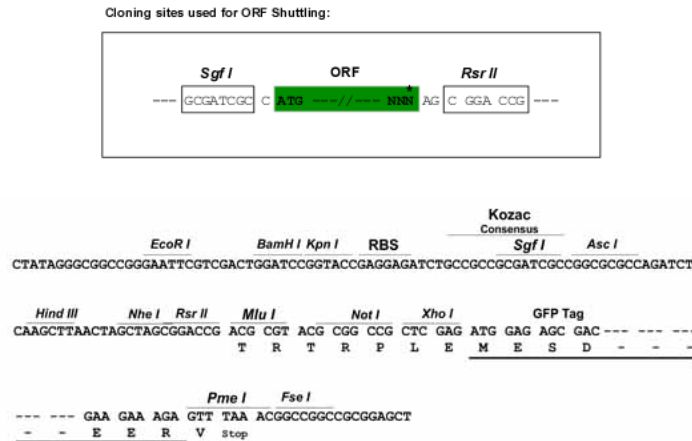
Protein Sequence: >MG206201 representing NM_021477
 Red=Cloning site Green=Tags(s)

MNCEREQLRGNQEAAAAPDTMAQPYASAQFAPPQNGIPAEYTAPHPHPAPEYTGQTTVPDHTLNLYPPTQ
 THSEQSADTSAQTVSGTATQTDAAPTDGGPQTQPSENTEKSKSQPKRLHVSNIPIFRFRDPLRQMFQFG
 KILDVEIIFNERGSKGFVTFENSADADRAREKLHGTVVEGRKIEVN NATARVMTNKKTVNPTYNGWKL
 NPVVGAVYSPDFYAGTVLLCQANQEGSSMYSGPSSLVYTSAMPGFPYPAATAAAAYRGAHLRGRGRTVYN
 TFRAAAAPPPPIPAYGGVYQDGFYGADIYGGYAAARYAQPTPATAAAYSDSYGRVYAADPYHHTLAPAPT
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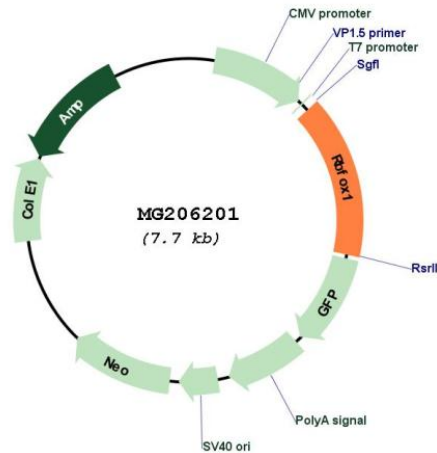
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_021477

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|-------------------------------|---|
| 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: | <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_021477.5 |
| RefSeq Size: | 3897 bp |
| RefSeq ORF: | 1191 bp |
| Locus ID: | 268859 |
| UniProt ID: | Q9J143 |
| 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] |