

## Product datasheet for **RR213164**

### **Rbfox1 (NM\_001106974) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbfox1 (NM\_001106974) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rbfox1  
**Synonyms:** A2bp1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213164 representing NM\_001106974  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTGGCGTCGCAAGGAGTCCTTCTGCATTCTATGGCGTGCCTATGGTTGTGCCTGCTGCCCCCTTCT  
 TCCCGGACTGATGCAGGTAATCAGGAAGCAGCGGCCGCCCTGACACAATGGCTCAGCCTTATGCCTC  
 AGCGCAGTTTCGCTCCACCCAGAATGGCATCCCTGCAGAATACACGGCCCTCATCCCCATCCCGGCCA  
 GAGTACACCGGCCAGACCACTGTCCCGACACACATTAACCTGTATCCTCCTACACAGACGCACTCGG  
 AGCAGAGCGCTGATACAAGCGCACAGACCGTCTCCGGCACCGCCACACAGACAGATGATGCCGCCCGAC  
 CGACGGCCAGCCCCAGACACAACCTTCTGAAAACACAGAAAACAAGTCCCAGCCCAAGCGGCTGCATGTG  
 TCCAACATCCCCTTCCGGTCCGGGATCCAGACCTCCGACAAATGTTGGCCAATTTGGTAAAATATTAG  
 ATGTTGAAATTTTTAATGAGCGGGCTCGAAGGGATTTGGTTTCGTAACCTTCGAAAATAGTGCGGA  
 TGCGGACAGGGCGAGGGAGAAATGCACGGTACCGTGGTAGAGGGCCGTAATAATCGAGGTAATAATGCG  
 ACAGCACGCGTGATGACTAATAAAAAGCCGTGAACCCCTACCAATGGCTGAAATTAATCCAGTTG  
 TGGCGCGGTCTACAGCCCCGACTTCTATGCAGGCAGGTGCTGTTGTGCCAGGCCAACCAGGAGGATC  
 TTCCATGTACAGTGGCCCCAGTTCACTTGTATATACTTCTGCAATGCCTGGCTTTCCATATCCGGCCGC  
 ACTGCTGCAGCTGCATACCGAGGGGCTCACCTTCGAGGCCGTGGTGCACCGTGTACAACACCTTCAGAG  
 CTGCGCGCCCCCACCCCAATCCCGGCTATGGCGGTGTTGTTTACCAGGATGGATTTTATGGTGCAGA  
 CATTTATGGTGGTTACGCTGCATACCGTACGCCAGCCACCCTGCCACTGCTGCTGCCTACAGTGAC  
 AGTTACGGACGAGTTTATGCTGCCGACCCTACCACCACACTTGCTCCAGCCCCACCTACGGCGTTG  
 GTGCCATGAATGCTTTTGCGCCCTTGACCGATGCCAAGACTAGGAGCCATGCTGATGATGGGTCTCGT  
 TCTTTCTCATTGCAGGCTAGTATATACCGAGGGGATACAACCGTTTTGCTCCATAT

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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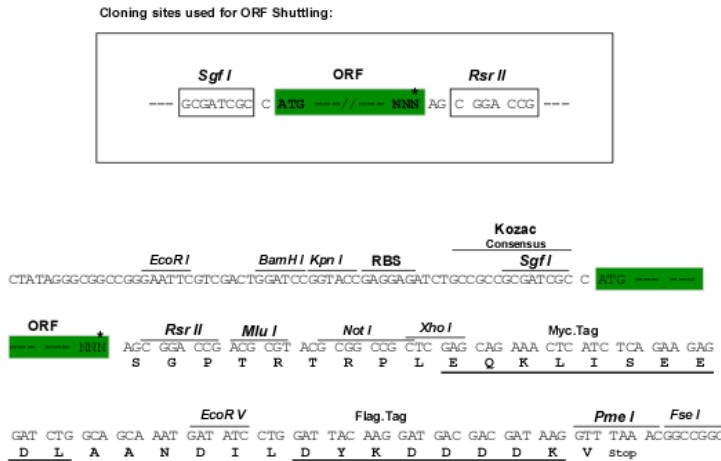
**Protein Sequence:** >RR213164 representing NM\_001106974  
 Red=Cloning site Green=Tags(s)

MLASQGVLLHSYGVMVPAAPFFPGLMQGNQEAAAAPDTMAQPYASAQFAPPQNGIPAEYTAPHPHPAP  
 EYTGQTTVPDHTLNLYPPTQTHSEQSADTSAQTVSGTATQTDDAAPT DGQPQTQPSSENTENKSQPKRLHV  
 SNIPFRFRDPLRQMFQGFQKILDVEIIFNERGSKGFGVTFENSADADRAREKLHGTVVEGRKIEVNNA  
 TARVMTNKKAVNPYTNGWKLNPVVGAVYSPDFYAGTVLLCQANQEGSSMYSGPSSLVYTSAMPGFYPAA  
 TAAAAYRG AHLRGRGRVYNTFRAAAAPPPPIPAYGGVVYQDGFYGADIYGGYAA YRYAQPTPATAAAYS  
 SYGRVYAADPYHHTLAPPTYGVGMNAFAPL TDAKTRSHADDVGLVLSLQAS IYRGGYNRFAPY

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

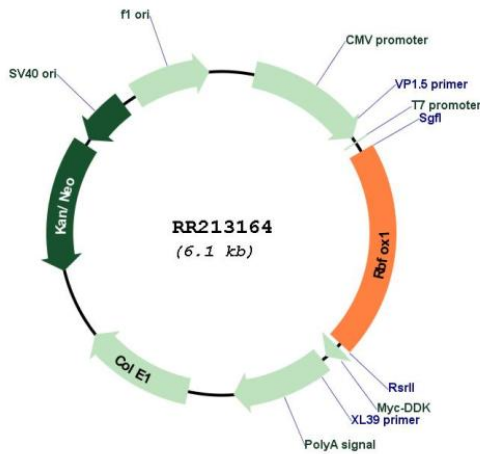
**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



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

**Plasmid Map:**



**ACCN:** NM\_001106974

|                               |  |
|-------------------------------|--|
| <b>ORF Size:</b>              | 1248 bp  |
| <b>OTI Disclaimer:</b>        | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p> |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_001106974.2</a> , <a href="#">NP_001100444.2</a>  |
| <b>RefSeq Size:</b>           | 4153 bp  |
| <b>RefSeq ORF:</b>            | 1251 bp  |
| <b>Locus ID:</b>              | 302920   |
| <b>Cytogenetics:</b>          | 10q12  |
| <b>MW:</b>                    | 44.6 kDa   |
| <b>Gene Summary:</b>          | The Fox-1 family of RNA-binding proteins is evolutionarily conserved, and regulates tissue-specific alternative splicing in metazoa. Fox-1 recognizes a (U)GCAUG stretch in regulated exons or in flanking introns. [provided by RefSeq, Nov 2011]   |