

## Product datasheet for **RR211940**

### **Rfx1 (NM\_001105944) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rfx1 (NM_001105944) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfx1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211940 representing NM\_001105944  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACACAGTCTATGTTACTGAGCTACAGGCAGCCCCACAAGCATCCCAGCCACCACAGGCCCCGC  
 CCCAGGCCCTGCCAGCCAGCCACCACCCAGCAGCACCCAGCCTCTGCTGCAGCAACCCCCAGCCCA  
 GTATGTACCCGAGCTGCAAAGCCCCAGCCCCAGACGCAACCTCCAGGCAGCCAGAACAGTATGTGGCA  
 GAGCTCCCGGCTGCTCCTGCACCCTCACAGCTGCCACACCTGCCCATCCCCGGTGGCTCAGCAGTATA  
 TCGTGGTCACCGTCTCGGAAGGTGCCATGCGGGCTAGTGAGACTGTGTCAGAAGCCAGCCCCAGTCCAC  
 GGCAAGCCAGACCGGTGTCCCACCAAGTGGTACAGCAGGTGCAGGGCACCCAGCAGCGGTGCTGGTC  
 CAGGCAAGTGTGAGGCCAAGCCAGGCCATGTGTACCCCTGCAGCTTACCAACATCCAGGTGCCACAGC  
 AGGCTCTCCCACACAGCACTTGGTGGTGCAGAGCCCGGCCAGGCTTAAGGGTGGCCAAAGTTTCCTT  
 GACGGTGCACAGCAGCAGCAGGTGCACCTGCCCTGAGAGGTACCAGTGCAGGCCAACAACTCCACC  
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 CTGTACACCAAGAGAGGTGAGTGTCCAGGCCACTCCACAGACCAAGCTGGCCAGTGCAGCAGCTGAC  
 TGTGCAGGGACTGCAGCCAGTTCACGTTGCTCAAGAGGTACAGCAACTCCCGCAGGTGCCTGTCCCACAT  
 GTGTACTCCAGCCAGGTGCAGTACGTGGAAGGTGGCGACGCCAGCTACACAGCCAGCGCCATCCGCTCTA  
 GCACCTACCAGTACCCTGAGACGCCGATCTATACGCAGACAGCAGGCACCAGCTACTATGAGGCTTCAGG  
 CACGGTGGCCAGGTGAGCAGCCCGCTACTTCCAGACGGTGGCCAGCAGCGGCTCGGTGCCATGTAC  
 GTATCCGGCAGCCGATTGTGCGCAGCTCATCCAGCAGCAGGCTGGGGCCAGCAACAGCAGTGTGGGTG  
 CCGGGGCAACCGGGGAGGTGGCAGCGCGCGGGTGGCGGCAGCAGCGCGCGGCGGATGGGGCAGG  
 CACTATGTGATCCAAGCGGCTACATGCTCGGCAACGCCAGCCAGTCTTACTCCACACCACCCGTGCC  
 TCGCCAGCCACAGTCCAGTGGCTCCTGGATAATTACGAGACCGCTGAGGGCGTGAGCCTGCCCGGAGCA  
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 CAAGCTCATCCGCTCCGATTTCATGGGTCTGCGTACGCGCGCTGGGCACCAGGGGCAACTCTAAGTAC  
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 CCATGCGAGGCCAACCGTTCTCCAGAAACAGAGGCTCAAGCCCATCCAGAAGATGGAGGGCGTGGCCAA  
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 GTGTCGGTCTGGGGACATCAAGGCCTCCAGGTCTGTACCGGGAGCACTGTGAGGCCATTGTGGACGT  
 CATGGTAAATCTCCAGTTTACACTGGTAGAAAACGCTGTGGAAGACCTTCTGGAGATATAACCTTAGCCAG  
 CCTAACGAGGCACCACCCTGGCCGTGCATGATGAGGCAGAGAAGCGGCTGCCAGGGCCAGTCTGGTGC  
 TCCTCTCAAAGTTCAGCCTGTGCTTCACTGGACCAAGCACTGTGACAAATGTGCTGTACCAGGGCCTGGT  
 GGAGATCCTTATCCCTGATGTTCTGCGGCCATCCCCAGTGCCTTGACCAAGCAATCCGGAACCTTGGC  
 AAGAGCCTGGAGAGCTGGCTGACCCATGCCATGGTGAACATCCCTGAGGAGATGCTGCGGGTGAAGGTGG  
 CAGCAGCCGGCGCCTTCGCACAGACGCTGCGGGCTACACATCGCTCAACCACTTGGCACAGGCAGCGCG  
 CGCAGTGTGCAGAACACTGCCAGATCAACCAGATGCTAAGCGACCTCAATCGAGTGGACTTCGCAAAT  
 GTCCAGGAGCAGGCTCGTGGTGTGCTGCTGCGAGGACCGTGTGGTGCAGCGTCTGGAGCAGGACTTCA  
 AGGTGACGCTGCAGCAGCAGAACTCACTGGAGCAGTGGGCAGCCTGGCTGGATGGCGTTGTGAGCCAGGT  
 GCTCAAGCCCTACCAGGGCAGTTCGGCTTCCCAAGGCGGCAAGCTTCTCCTCCTCAAGTGGTCTTTC  
 TACAGCTCCATGGTAATCCGGGACCTGACCCTGCGCAGTGTGCCAGCTTGGCTCCTTCCACCTCATCC  
 GGCTGCTCTATGACGAGTACATGTACTACCTGATCGAGCAGAGTGGCCAGGCCAAGGGCGAGACCCC  
 AATCGCAGTCATGGGAGAGTTTGAAACCTGGCCACCTCACTGAATCCCTTGGACCCTGACAAAGATGAG  
 GAAGAGGAGGAGGAGGAGAGTGGAGCAGGCTGCCACAAGACATCTCACTGGCTGCTGGCAGCGAGT  
 CCCCCGACTAGGCCAGAACTCTGGAACCACAGCAAACCTGGCGGGACTGACACTCGTGGCCTCTT  
 TGTGCAGGCCCTGCCCTCCAGC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR211940 representing NM\_001105944  
 Red=Cloning site Green=Tags(s)

MATQSYVTE LQAAPQASQPPQAPPQALPQPPPPAAPQPPAAATPQPQYVTE LQSPQPQTQPPGSQKQYVA  
 ELPAAPAPSQPATPAPSPVAQQYIVVTVSEGMRASETVSEASPSSTASQTGVPTQVVQQVQGTQQRLLV  
 QASVQAKPGHVSPLQLTNIQVPQQALPTQHLVVQSPAPGSKGGQVSLTVHSTQQVHSAPERSPVQANNST  
 SKTAGTPAGTVQQLQVHSVQQSVPTQERSVVQATPQTAKGPVQQLTVQGLQPVHVAQEVQQLPQVPVPH  
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 SPATVQWLLDNYETAEGVSLPRSTLYCHYLLHCQEQLKLEPVNAASFGLIRSVFMGLRTRRLGTRGNSKY  
 HYYGLRIKASSPLLRLMEDQQHMAMRGQPFQKQRLKPIQKMEGVANGVAVGQQSTGLSDISAQVQQYQQ  
 FLDASRSLPDFAELDLQKVLPEGVGPDIKAFQVLYREHCEAIVDMVNLQFTLVETLWKFWRYNLSQ  
 PNEAPPLAVHDEAEKRLPRASLVLLSKFQPVLQWTKHCDNVLYQGLVEILIPDVLRIIPSALTQAIRNFA  
 KSLESWLTHAMVNIPEEMLRVKVAAGAFATLRRYTSLNHLAQAARAVLQNTAQINQMLSDLNRVDFAN  
 VQEASWVCRCEDRVVQRLEQDFKVTLLQQNSLEQWAAWLDGVVSQVLPKYQGSSGFPAKAKLFLKWSF  
 YSSMVIDLTLRSAASFGSFLIRLLYDEYMYLIEHRVAQAKGETPIAVMGEFANLATSLNPLDPDKDE  
 EEEEESEDELQDISLAAGSESPALGPETLEPPAKLARTDTRGLFVQALPSS

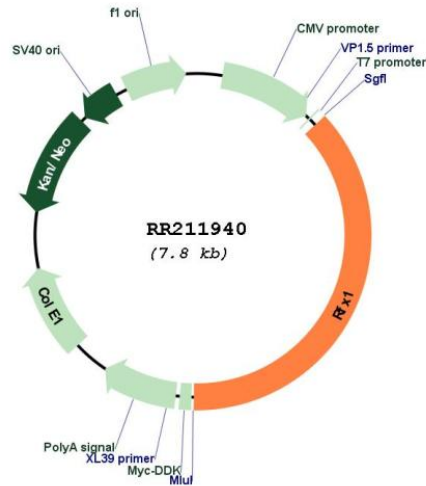
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001105944

**ORF Size:** 2892 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\\_001105944.1](#), [NP\\_001099414.1](#)

**RefSeq Size:** 4156 bp

**RefSeq ORF:** 2895 bp

**Locus ID:** 288906

**Cytogenetics:** 19q11

MW: 103.7 kDa