

## Product datasheet for **RR214324**

### Prrx2 (NM\_001105739) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Prrx2 (NM\_001105739) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Prrx2  
 Synonyms: Prx2  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR214324 representing NM\_001105739  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACAGCGCGGCCGCCCTTCGCCTTGGACCCGCCAGCGCCCGGCCGGGGCCCCGCCCGCACCCG  
 GTGACTGCGCCCAGGCGCGCAAGAACTTCTCGGTGAGCCACCTCCTGGACCTGGAGGAGGTGGCGGCTGC  
 CGGGCGCAGGGCTGCGGGGCCGGTGCCGGGGCCGAGGCGGGGAGGGAGCGGCGCGAACCGTCCGGG  
 GGCAGCAGCGGCAGCGAGGCGGCCCGCAGGACGGTGAGTGCCGGCCCCCGGCCATGGCAGTGCCACCA  
 AACGGAAGAAGAAGCAGCGTCGGAATCGAACACATTCAACAGCAGCCAGCTGCAGGCGCTGGAGCGTGT  
 ATTTGAGCGCACACACTACCCTGACGCCTTTGTGCGTGAAGAGCTAGCCCGCCGTGTCAACCTCAGTGAG  
 GCACGTGTCCAAGTCTGTTCCAGAACCGCCGTGCCAAGTTTCGCCGGAACGAACGTGCCATGCTGGCTA  
 CCCGCTCTGCCTCGCTGCTCAAGTCTTACGGCCAGGAGGCAGCCATTGAGCAGCCTGTGGCCCCCGACC  
 TACCACACTGAGCCAGATTATCTATCCTGGCCAGCATCGTCCCCCTACAGCTCGGTGCCTCCCTACAGC  
 CCCGGAGGTTCAAGTCTGCAACTCCTGGAGTCAATATGGCCAACAGCATCGCTAGCCTTCGCCTCAAGG  
 CCAAAGAGTTCAGCTTACACCACAGCCAGGTGCCACAGTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214324 representing NM\_001105739  
 Red=Cloning site Green=Tags(s)

MDSAAAFALDPPAPGPGPPPAPGDCAQARKNFSVSHLLDLEEVAAGRRAAGPVPGPEAREGAAREPSG  
 GSSGSEAAPQDGECAAPGHGSATKRKKKQRRNRTTFNSSLQALERVFERHTHPDAFVREELARRVNLSE  
 ARVQVWFQNRRAKFRNRERAMLATRSASLLKSYGQEAIEQPVAPRPTTLLSPDYLSWPASSPYSSVPPYS  
 PGGSSPATPGVNMANSIASLRLKAKEFSLHHSQVPTVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001105739

**ORF Size:** 744 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\\_001105739.1](#), [NP\\_001099209.1](#)

**RefSeq Size:** 1230 bp

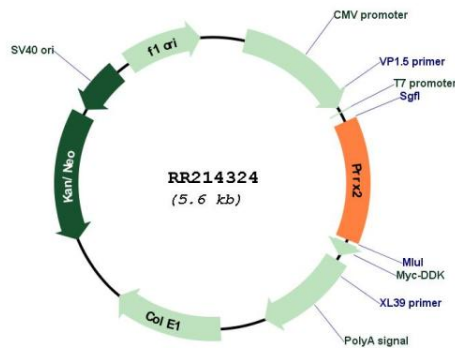
**RefSeq ORF:** 747 bp

**Locus ID:** 113931

**Cytogenetics:** 3p12

**MW:** 26.5 kDa

**Product images:**



Circular map for RR214324