

## Product datasheet for **RR211167**

### **Prrg4 (NM\_001109203) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Prrg4 (NM\_001109203) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Prrg4  
Synonyms: RGD1560542  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR211167 representing NM\_001109203  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCCACTTCTGATCGTACTCAGCCAGCTGCCAGACTTACCCTCGATTTCTCTTTGTACCAGAA  
GCCTAAAGGATTCAGAACATGCCCCAGAAGAAGTCTTTGCATCAAAGAAGCAGCGAGCATCTTCATGCA  
CGCCGTCTCCTGTACAATAGGTTTGATTTAGAAGTCTTCACTCCTGGGACCTGGAGAGAGAGTGTAT  
GAGGAGTTTTGCAGTTATGAAGAAGCCAGAGAGATTTTGGGGATGATGAAAATACGATCACATTTTGGC  
AGGATTATTCAGTTAAAGGGCCAACCACAGGATCAGATGTTAACAAAGAGAAATTCGATGTTATGAGCCT  
TCTGACTGGGTTGACTGTCGCTGGCGTGTCTCTAGTTGTTTTCGGCTTACTTGGCTACTATCTATGTATC  
ACCAAGTGTAACAGGCGGCCATATCCGAGTTCTTCAGCCATCTACACAAGAAGCAGCCAGACACACGCCCT  
CCATCATTTTCAGAAGCCCTGAGGAACTGTCTTGTCTGTGCGCATCTTCAGAGGATGCAGGGCTACC  
TTCCTATGAACAGGCAGTGGCACTGACCAGAAAGCACAGCATCTCGCCACCACCTCCCTATCCTGGGCT  
GCAAAAGGATTTAGGGTATTTAAAAAGTCTATGCACTCCCATCTCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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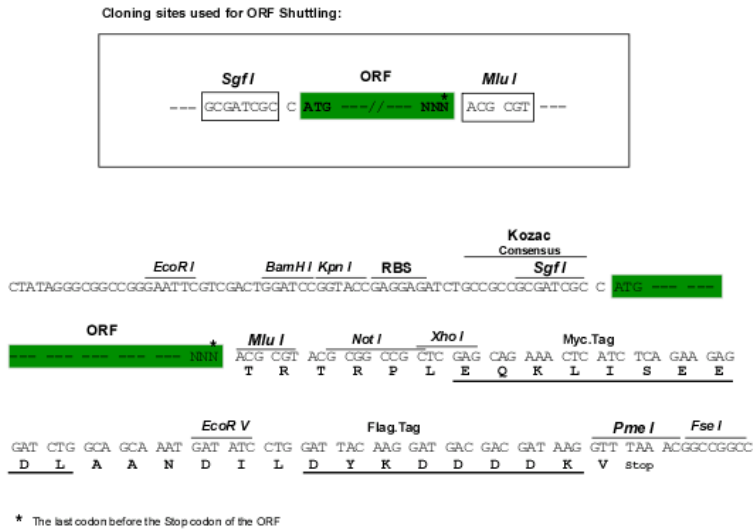
**Protein Sequence:** >RR211167 representing NM\_001109203  
Red=Cloning site Green=Tags(s)

MFPLLIVLSQLPRLTLAFPLCTRSLKDSEHAPEEVFASKEAASIFMHRLLYNRFDLELFTPGDLERECY  
 EEFCSYEEAREILGDDENTITFWQDYSVKGPTTGSDVNKEKFDVMSLLTGLTVAGVFLVVFGLLGYLLCI  
 TKCNRRPYSPSSAIYTRTARHTPSIIFRSPEETVLSLSPSSEDAGLPSYEQAVALTRKHSISPPPPYPGP  
 AKGFRVFKKSMSLPSH

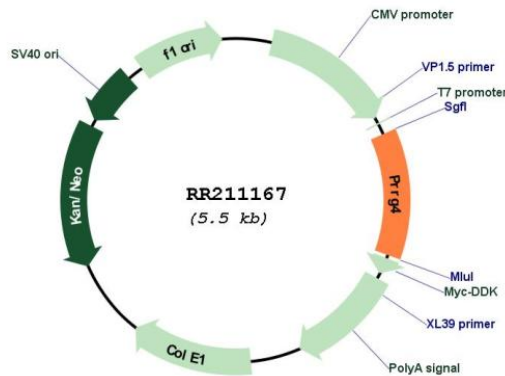
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001109203

**ORF Size:** 678 bp

<b>OTI Disclaimer:</b>	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>
<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_001109203.1</a> , <a href="#">NP_001102673.1</a>
<b>RefSeq Size:</b>	1878 bp
<b>RefSeq ORF:</b>	681 bp
<b>Locus ID:</b>	499847
<b>Cytogenetics:</b>	3q33
<b>MW:</b>	25.4 kDa