

## Product datasheet for MR216977

### Prrg4 (NM\_178695) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prrg4 (NM\_178695) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Prrg4  
**Synonyms:** 9930111I18Rik; TMG4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR216977 representing NM\_178695  
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTCCACTTCTGATCGTACTCAGCCAGCTGCCAGACTTACCCTCGCAGTTCCTCATTGTATCAGAA  
GCCTAAAGGATCCGAACATGCCCCAGAAGAAGTCTTTGCGTCAAAGAAGCAGCAAACATCTTTATGCA  
CCGCCGCCTCTGAACAATAGGTTTGATCTAGAAGTCTTCACTCCTGGGACCTGGAGAGAGAGTGTAT  
GAGGAGTTCTGTAGTTATGAAGAAGCCAGAGAGATTTGGGGGATGATGAAAATACGATCAAATTTGGC  
AGACTTATTCAATTAAGGACCAACCACAGGATCAGATGTTAACAAAGAGAAAATTGATGTTATGAGCCT  
TCTGACTGGATTGATTGTTGCTGGAGTATTCTTGTTATTTTTGGCTTAGTTGGCTACTATGTATGTCTC  
ACCAAGTGTAAGGCGGCCATATCCAAGCTCTTCAGCCAACTACACAAGAACGGCCAGATACACACCTT  
CCATTGTTTTCCGAAGCCTGAGGAAGCTGTCTTATCTCCATCAACATCTTCAGAGGATGCAGGACTACC  
TTCCTATGAACAGGCAGTAGCACTGACCAGAAAGCACAGTGTCTCACCACCACCTCCCTATCCTGGGCC  
GCAAGAGGATTTAGGGTATTTAAAAAGTCCATGTCCCTCCCATCTCAC

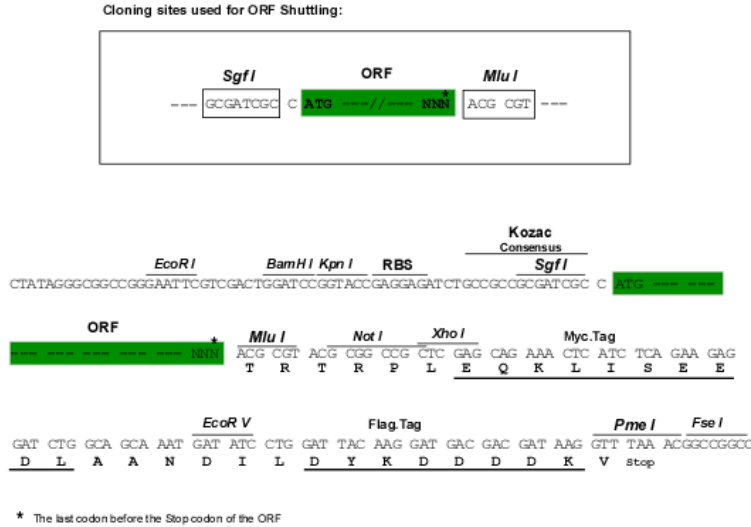
**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI



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Cloning Scheme:



ACCN: NM\_178695

ORF Size: 678 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).

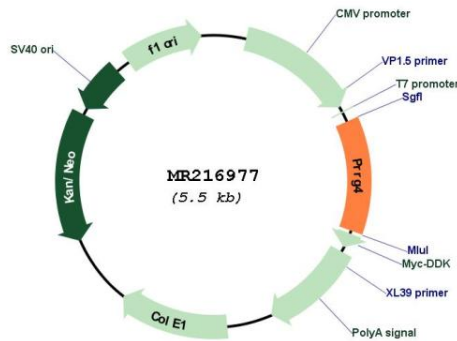
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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\\_178695.5](#), [NP\\_848810.3](#)

RefSeq Size: 2846 bp

RefSeq ORF: 681 bp  
 Locus ID: 228413  
 UniProt ID: [Q8BGN6](#)  
 Cytogenetics: 2 E2  
 MW: 25.9 kDa  
 Gene Summary: May control axon guidance across the CNS (By similarity). Prevents the delivery of ROBO1 at the cell surface and downregulates its expression (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216977