

## Product datasheet for MR212581

### Prrg1 (NM\_027322) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prrg1 (NM_027322) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prrg1
Synonyms:	2010007L08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212581 representing NM_027322 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAAGGGTTTTCTCACGGAAGAAAAAGCCAACCTCAGTACTAAAACGCTACCCAAGAGCCAATGGGC  
TTTTTGAAGAAATAGACAGGGCAACATTGAGCGTGAGTGCAGAGAAGAAATCTGTACATATGAAGAAGC  
CAGAGAGGCTTTTAAAAATCATGAAAAACTAAGGAGTTTGGAGCACCTACACAAAAGCACAACAAGGA  
GAAACCAACAGAGGAAGTACTGGTTTCAATTTTATCTTACTTTTCCATTAATCTTTGGCCTCTTCATTA  
TTCTCCTTGTCATCTTCTTAATCTGGAGATGCTTCTAAGAAACAAAACCTCGGAGACAGACAGTACTGA  
AAGCCACATTCCTTTCCCTCAGCAACTTAACATCATCACTCCACCTCCTCCACCAGATGAAGTCTTTGAT  
AGCAGTGCATTGTCTCCAGGGTTTTTGGAAATGTTGTTGGGCGTTCAGATTCGGTTTCCACTCGCCTTT  
CCAACGTGATCCCCACCTACCTATGAGGAAGCCACCGCCAGGTGAACCTGAGAAGGAGTGAACAGA  
ACCTCCTTTAGACCCACCACCAGAATATGAGGACATAGTCAACTCCAGTTCAGCTAGTGCCATTGCTATG  
GTGCCTGTGGTCACCACCATCAA

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR212581 representing NM\_027322  
Red=Cloning site Green=Tags(s)

MGRVFLTEEKANSVLKRYPRANGLFEEIRQGNIERECREEICTYEEAREAFENHEKTKEFWSTYTKAQQG  
 ETNRGSDWFQFYLTFFPLIFGLFIILLVIFLIWRCFLRNKTRRQTVTESHIPFPQQLNIITPPPPDEVFD  
 SSALSPGFLEYVGRSDSVSTRLSNCDPPPTYEEATGQVNLRRSETEPPLDPPPEYEDIVNSSSASAIAM  
 VPVVTTIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_027322

**ORF Size:** 654 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\\_027322.2](#), [NP\\_081598.1](#)

**RefSeq Size:** 3904 bp

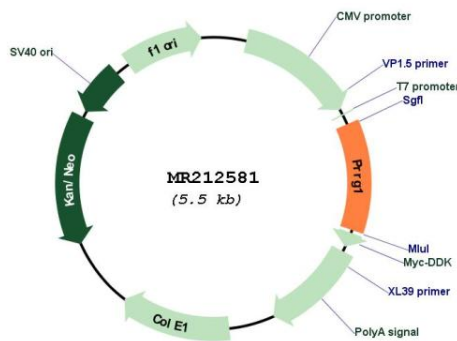
**RefSeq ORF:** 657 bp

**Locus ID:** 546336

**Cytogenetics:** X B

**MW:** 25.1 kDa

**Product images:**



Circular map for MR212581