

## Product datasheet for **RR209418**

### **Prtg (NM\_001037651) Rat Tagged ORF Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** Prtg (NM\_001037651) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Prtg  
**Synonyms:** RGD1307157  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209418 representing NM\_001037651  
**Red=Cloning site Blue=ORF Green=Tags(s)**

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GCC**CGGATCGCC**

ATGGCGCCTCCCGTGCGCCCGGGGATGCTGCCCTGCTGCTGTTGCTGCTACTGCCGCCGCTCGGCTCGG  
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GGCTCCCGAAATTAGCTTGACGAGTCGAAGTCCCACCGACATTCTCATCTCCTGGCTGCCATCCCGGC  
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Protein Sequence: >RR209418 representing NM\_001037651  
 Red=Cloning site Green=Tags(s)

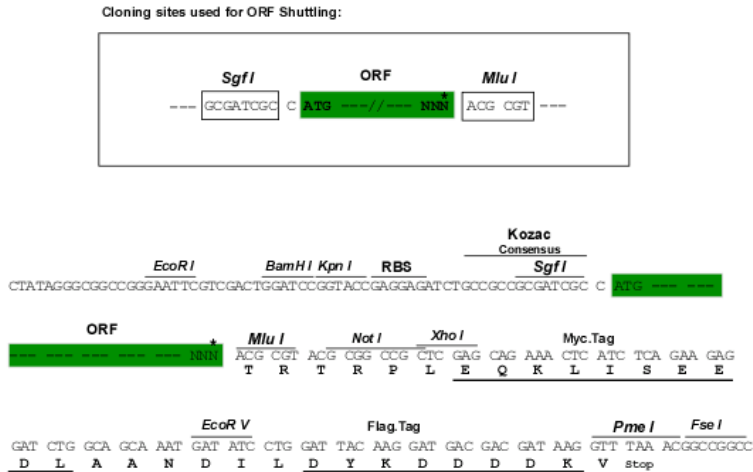
MAPPVVRPGMLPLLLLLLPLPLGSVPGVWSFSEFFMKEPQDATVTRKDPVFLDCQAHGEGPIKVTWLKNG  
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 PEGGVARF SCKISSTPPAVITWEFNRTALPMTMDSRVLTALPSGVLQIYDAGPEDAGKYRCVAATHAKRK  
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 VSTPGCVSVRDRMVPPPPPHLYAKANTSSSIFLHWRRPAFTTAQVINYTRCNPVGLQNASLVLYLQT  
 SETHMLVQGLEPNTKYEFVRLHVDQLSSPWSPVYHTLPEAPTGPVGVKVTLIEDDTALVSWKPPDG  
 PETVVTRYTILYASRKAWIAGEWQLHREGAITMALLENLVAGNVYIVKISASNEVGEPPNSVELAVL  
 PKDASENQRPKRLDSSDAKVYSGYYHLQKSMTGIAVGVGIALTCILICVLILYRSKARKSSASKTTQ  
 SGTQPLSRASASVAAGSDMGKNLERATENEESVPMMPSCFIDAKGGTDLIINSYGPIIKNNPKKKWRFF  
 QDTKKIKVEQTQRRIQTVCFYQPGTTVLISDESPSSPGQTTSFPRPFPTTLDTEHSANSEGSSETGD  
 SGRFSHESNDEIHLSSVISSTPPTSNSLTCGSDGDAAAPKKHGDPAPLPAEQTSAPQPTPAGLRHAES  
 VPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

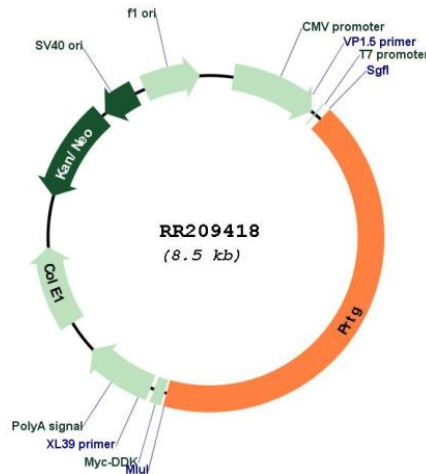
Sgfl-MluI

Cloning Scheme:



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

## Plasmid Map:



ACCN: NM\_001037651

ORF Size: 3579 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\\_001037651.1](#), [NP\\_001032740.1](#)

RefSeq Size: 5326 bp

RefSeq ORF: 3582 bp

Locus ID: 315806

UniProt ID: [Q2VWP9](#)

Cytogenetics: 8q24

**MW:** 131.1 kDa

**Gene Summary:** May play a role in anteroposterior axis elongation.[UniProtKB/Swiss-Prot Function]