

Product datasheet for RN209418

Prtg (NM_001037651) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prtg (NM_001037651) Rat Untagged Clone
Tag: Tag Free
Symbol: Prtg
Synonyms: RGD1307157
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209418 representing NM_001037651
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCTCCCGTGCGCCCGGGGATGCTGCCCTGCTGCTGTTGCTGCTACTGCCGCCGCTCGGCTCGG
 TTCCAGGAGTGTGGAGCTTTAGCGAACTGTTCTTCATGAAAGAACCACAGGACGCAACGGTCACAAGGAA
 AGACCCAGTCTTCTTAGATTGCCAGGCCATGGAGAAGTCCCATTAAAGGTCACCTGGTTGAAAAATGGA
 GCAAAATTGTCTGAAAATAAACGGATCCAGGTTCTATCTAACGGCTCTTTATACATCAGTGAGGCGGAAG
 GCAGGCGGGGAGAGCAATCGGATGAAGGATTTATCAGTGCTTGCTGTAACAATAATGGGGCCATTCT
 TAGTCAGAAAAGCTCATCTGACATTGTCAACCATCTCTGCGTTCGAGGTCCATCCAGTGTCTACCGAAGTC
 CCCGAAGGGGGAGTTGCTAGATTTTCATGCAAGATTTTCATCAACGCCCTCGCGTCATAACATGGGAAT
 TTAATAGGACAGCCCTGCCTATGACCATGGACAGCAGGGTACTGCCCTGCCCTCAGGAGTGTGCAGAT
 CTATGACGCTGGCCCGGAGGATGCTGGGAAATACCGCTGTGTTGCAGCCACGCATGCTCATAAGCGTAAA
 AGCATGGAGGCCCTCGCTAACCATAGTTCAGCTAATGAGACCAGATCCTTCTACATGCCACCATTATAG
 CCAGTCCACAGAATGTAACCGCTCTCATCAGACAGTTGTGCTAGAGTGTATGGCTACAGGATATCC
 CAAGCCCATCATTCTGGAGCCGCTTGATCACAAAGTCCATTGATGTCTTCAATACTCGGGTACTCGGA
 AATGGCAATCTCATCATATCAGATGTCAAGCTTCAAGCATGCTGGAGTGTATGTTTGTGCGGCCACCACCC
 CAGGCACTCGCAACTTACAGTTGCTATGGCAACGTTAACTGTATTAGCTCCTCCTTCAATTTGTGGAATG
 GCCTGAAAGTTTAAAGGCCACGAGCTGGCACTGCACGGTTTGTGTGCAAGCAGAAGGAATCCCTCA
 CCCAAAATGTCTGGTTGAAAAATGGGAGAAGGATACATTCAAATGGCAGGATTTAAATGTACAACAGCA
 AATTGGTCATTAACCAGATTATCCAGAAGATGATGCTATCTATCAGTGCATGGTGAAAACAGCCAAGG
 ATCTGTTCTGTCTCGAGCCAGACTGACTGTGGTGTGTCGGAAGATAGACCCAGCGCTCCTTACAACGTT
 CATGCCGAAACCATGTGAGCTCTGCTATCCTTCTAGCATGGGAGCGACCACTGTACAATTCAGACAAGG
 TCATTGCCTACTCTGACTACTACATGAAGGCTGAAGGTCTAAATAACGAGGAATATCAGGTGGTCTTGG
 AAATGACACAACCTATTATATCATCGATGACTTGAACACAGACGCAACTATACTTTCTACATCGTGGCG
 TACATGCCCATGGGAGCCAGCCAGATGTGCGGATCATGTGACACAGAACACGCTAGAAGACGTGCCCTAA



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GGCTCCCGAAATTAGCTTGACGAGTCGAAGTCCCACCGACATTCTCATCTCCTGGCTGCCATCCCGGC
 CAAGTACCGACGGGGCCAAGTGGTGTGTACCGGCTGTCCTTCCGCCTGAGCACTGAGAATTCATCCAA
 GTTGTAGAAGTCCCGGGGACTGTGCACGAGTACCTTCTGGAAGGCTGGAGCCAGACAGTGTCTATCTGG
 TCCGGATTACTGCTGCTACCCGAGTGGGGCTGGGAGAGTCATCGGTGTGGACGTACACAGGACGCCAA
 AGCCACGAGCGTAAAAGCCCCTAAGTCTCTGAACTGCATTTGGAGCCACTGAATTGTACTACCATCTCT
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 GGCAGCAGGAACATGGACCGATCTTCTGGACACCGGTGACCTGCTGTATACGCTCAGTGGCTTGGACCC
 CAGAAGAAAATACCATGTGAGGCTACTGGCTTACAACAATCTGGAAGATGGCTACCAGGCCGACCAGACC
 GTCAGTACTCCCGGATGCGTGTCTGTCCGTGACCGCATGGTCCCTCCGCCACCGCCACCCACCATCTGT
 ACGCGAAGGCTAATACCTCCTCTTCTATCTTCTGCACTGGAGGAGGCCTGCGTTACCACCGCCCAAGT
 CATTAACTACACCATCCGCTGTAACCCCGTTGGCCTGCAGAACGCCTCTCTGGTTCTCTACTGCAAACA
 TCAGAAACCCACATGCTGGTTCAAGGACTAGAGCCAAACACCAAGTATGAGTTCGCTGTCCGACTGCACG
 TGGATCAGCTCTCCAGTCCCTGGAGTCCCGTGGTCTACCACACCACACTGCCGGAAGCACCCACAGGCC
 CCCAGTGGGGTGAAGGTGACGCTGATAGAAGATGACACTGCCCTGTCTCTTGGAAACCCAGATGGC
 CCAGAGACAGTGGTACGCGCTACACCATTTGTATGCGTCCAGGAAGGCTGGATCGCCGCGGAGTGGC
 AGGTCTCATACGAGAAGGGCAATAACCATGGCTCTGCTGGAACCTGGTGGCAGGAAACGTGTACAT
 TGTCAAGATCTCAGCCTCCAACGAGGTGGGAGAAGGGCCCTTCCCAAATTCGGTGGAGCTGGCCGTCCCT
 CCCAAGGACGCTTCAAGATCGAACCCAGAGGCCTAAGCGTTTGGATTCTTCTGATGCCAAAGTTTATTTCAG
 GCTATTACCACCTGGACCAAAAGTCAATGACCGGCATTGACAGTAGGCGTTGGCATAGCCTTGACCTGTAT
 CCTCATCTGTGTTCTCATCTTGTATATACCGAAGCAAAGCCAGGAAGTCAATCCGCCTTAAGACAACGCAG
 AGTGAACCCAGCCGTTATCCCGAGCCAGTGCCTCTGTAGCAGCGGGGAGTGACATGGGGAAGAACCTGG
 AGAGAGCTACAGAAAACGAAGAGTCTCAGTACCATGATGCCAAGCTGCTTATTGATGCGAAGGGAGG
 GACTGACCTGATCATCAATAGCTATGGTCTATTATTAACCAACCCCTAAGAAAAAGTGGCGTTTTTTC
 CAAGACACTAAGAAGATCAAAGTTGAACAGACTCAAAGAAGAATTACTCAGACCGTGTGCTTTTACCAGC
 CAGGCACCACAGTGTGATCAGCGATGAAGACTCCCTAGCTCCCGAGCCAGACCACAGCTTCCCAAG
 ACCTTTTGGGCCACCACCCTGGACACTGAGCAACAGTGAAGGCAGCCACGAGACAGGGGAT
 TCTGGAAGGTTTTCCCATGAGTCCAATGATGAGATACATCTGTCTCTGTATCAGCAGCACACCCCCCA
 CCTCGAATTCCCTCACCTGTGGTATTCTGATGGGGATGCTGCACCGAAGAAGCATGGAGACCCTGCCCA
 GCCCTTGCAGCTGAGCAGACCTCAGCCCCACAGCCAACACCTGCTGGGCTGCGACATGCTGCCGAGAGT
 GTTCCCGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001037651

Insert Size:

3582 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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

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