

## Product datasheet for **MG207614**

### Prph (BC046291) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prph (BC046291) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prph
Synonyms:	Prph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207614 representing BC046291  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCATCTTCCGCCAGCATGAGCCATCATCACTCGTCGGCCTGCGGTCCAGCATCAGCTCCACCTCGT  
 ACCGCCGACCTTTGGGCGCCGCCCTCACTGTCCCCGGGGCTTCTCCTACTCGTCCAGCTCTCGCTT  
 CTCAGCAGCCGCTGCTGGGCTCGGGTCCCCGAGCTCCTCGGCGGGTGGGAGCTTCCGTGCCCT  
 CGAGCGGGGACTGCGCTTGCCTCGGAGCGCTCGATTTCTCCATGGCCGAGGCCCTCAACCAAGAGT  
 TCCTGGCCACTCGGAGCAACGAGAAGCAAGAGTTACAGGAGCTCAACGACCGCTTCGCCAATTCATCGA  
 GAAGGTGCGCTTCTGGAGCAGCAGAACGAGCCCTGCGCGGGGAGCTGAGCCAGCGCGGGGCCAGGAG  
 CCGGCGCGCCGACCAGCTTGGCAGCAGGAGCTGCGGAGCTGCGGCGCAACTGGAGCTGCTGGGCC  
 GGGAGCGCACCAGGTGACAGTGGAGCGGGACGGCTGGCGGAGGACCTAGCGGCGCTCAAGCAGAGTT  
 AGAAGAAGAAACCCGAAGCGGGAGGATCGGAGCACAACCTGGTCTTCCGTAAAGAGCTGGACGAC  
 GCCACTCTGTCCGCCTAGAAGTGGAGCGCAAGATTGAGTCTCTGATGGATGAAATTGAGTTCCTCAAGA  
 AGCTACACGAAGAGGAATTCGAGACCTGCAGGTGAGCGTAGAGAGCCAGCAGGTGCAGCAGGTGGAGT  
 AGAGGCAACAGTGAAGCCAGAGCTGACGGCGCGCTGAGGGACATCCGTGCACAGTACGAGAATCTCGG  
 GCAAAGAATCTGCAGGAGGCAGAGGAGTGGTATAAGTCGAAATATGCTGACCTGTCCGACGCCCAACC  
 GCAACCATGAGGCCCTACGCCAGGCCAAGCAAGAGATGAACGAGTCTCGACGTGATCCAGAGTCTGAC  
 GTGCGAGTGGATGGGCTGCGAGGCACGAATGAGGCGTGCTCAGACAGTGGCGGAGCTGGAAGAGCAG  
 TTCGCCCTGGAGGCTGGAGGGTACCAAGCAGCGCAGCACGGCTGGAGGAAGAGCTTCGACAGCTGAAGG  
 AAGAGATGGCGAGGCACCTGCGAGAGTACCAGGAGCTCCTTAACGTCAAGATGGCCCTGGACATCGAGT  
 AGCCACCTACAGGAAGCTACTGGAAGGGAGGAGAGCCGGATCTCAGTCCGTTTCAATCCTTGCCTCT  
 CTAAGTTTAAAGACGACTGTGCCTGAGATGGAGCCTCTCAGGATAGCCACAGCAAGAAGATGGTTCTGA  
 TCAGGACAATTGAGACCCGGGATGGGGAGAAGTGGTGACAGAGTCCCAGAAGGAACAGCACAGTACCT  
 GGACAAGTCTTCTATCCACAGCTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207614 representing BC046291  
 Red=Cloning site Green=Tags(s)

MPSSASMSHHSSGLRSSISSTSyrRFTGPPPSLSPGAFSYSSSRFSSSRLLGSGSPSSSARLGSFRAP  
 RAGALRLPSERLDFSMALNQEFLATRSNEKQELQELNDRFANFIEKVRFLQQNAALRGELSQRGQE  
 PARADQLCQELRELRLRELELLGRERDRVQVERDGLAEDLAALKQRLEETRKRKREDAEHNVLFRKDVED  
 ATLSRLELERKIESLMDEIEFLKKLHEEELRDLQSVESQVQVQVEVEATVKPELTAALRDIRAQYENIA  
 AKNLQEAEEWYKSKYADLSAANRNHEALRQAKQEMNESRRQIQSLTCEVDGLRGTNEALLRQLRELEEQ  
 FALEAGGYQAGAARLEELRQLKEEMARHLREYQELLNVMALDIEIATYRKLLEGEESRISVPVHVFAS  
 LSLKTTVPEMEPLQDSSHKKMVLIRTIETRDGEKVVVTESQKEQHSDDLKSSIHSY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC046291

**ORF Size:** 1427 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:** [BC046291](#), [AAH46291](#)

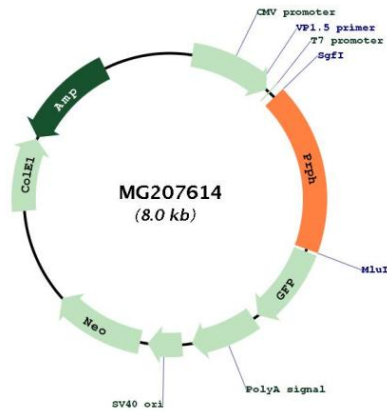
**RefSeq Size:** 1774 bp

**RefSeq ORF:** 1427 bp

**Locus ID:** 19132

**Cytogenetics:** 15 55.72 cM

Product images:



Circular map for MG207614