

## Product datasheet for **MG203619**

### Prpf39 (NM\_177806) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Prpf39 (NM_177806) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | Prpf39                                    |
| Synonyms:                 | Srca1                                     |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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ORF Nucleotide  
Sequence:

>MG203619 representing NM\_177806  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAAACTCCCACATGGAAGAGTACAGAACTCTGATAATGGCAGCACAGGCAACAGTTCAGAGGTAG  
CAGTAGTAGAGCATCCAGATTTTAGTACTGAGATTATGAACGTTACGGAGATGGAGCAGTCGCCTGATGC  
CTCTCCCAGCGCACATGCATCTACAGAAGAAAATGAAATGGCAAATGCTGTGAACCTCCAGTGACAGAA  
GCAGAAGGAGACTTCCCTCCAGAGTTTAAAAATTTGGAAAACAGTAGAAATGAATCCTCAGGATTTTA  
CAGGCTGGGTATATTTGCTTCAGTATGTAGAACAGGAGAATCATTGATGGCTGCCAGGAAAGCATTGGA  
CAAATTTTTCGTACACTACCCGATTGCTATGGTTACTGGAAAAAGTATGCAGACCTTAAAAAGCGACAT  
GACAACATTAACAATCAGATGAGGTTTATCGACGGGGGCTTCAGGCAATACCTCTTAGTGTGATCTTT  
GGATACATTATAAACTTCTTGAAGAAAACATTGGACCCTGGTATCAGGAGACAAACTACAATAAG  
AGGAACTTTTGGCATGTCTGTTCTAGCTGCAGGAACAGATTTTCGATCTGACAAATTATGGGAAATGTAT  
ATAAACTGGGAGAATGAACAGGGAAATCTGCGAGAAGTTACAGCTGTATACGATCGTATTCTTGGTATTC  
CAACACAGCTGTACAGTCATCATTTTTAGAGATTTAAAGAACATGTACAAAATAACTTGCCTAGAGATCT  
TTAACTGGTGAACAGTTTATTCAGCTGAGAAGGGAATTAGCTTCTGTAATGGACACAGTGGTATGAC  
GGCCCTCCTGGTATGACCTTCCATCAGGAATTGAAGACATAACTGATCCAGCAAAGCTAATTACTGAAA  
TAGAAAATATGAGACACAGAATCATTGAAATTCATCAAGAAATGTTTAATTATAATGAGCATGAAGTTAG  
TAAGAGGTGGACATTTGAAGAAGGTATTAAGAACCTTATTTTCATGTGAAACCATTGGAAAAGGCTCAG  
CTAAAAAAGTGGAAAGAATACTTAGAATTCGAAATGAAAATGGGACTCATGAAAGAGTTGTGGTTCTCT  
TTGAAAGATGTGCATATCTTGTGCCCTCTATGAGGAGTTTTGGATTAAGTATGCCAAGTACATGGAAAA  
CCATAGCATTGAAGGAGTGAGGCATGTCTTCAGCAGAGCTTGTACTGTTACCTCCCAAAGAAACCCATG  
GCACACATGCTTTGGCAGCTTTTGGGAACAACAGGGAATATTAATGAAGCCAGGATTATCTTGAGAA  
CGTTTGAAGAATGTGTTCTAGGATTGGCAATGGTTCGATTGCGAAGAGTAAGTTTGAACGACGGCATGG  
AAATATGGAAGAAGCCGAACATTTGCTTCAGGATGCTATAAAGAATGCCAAATCAAATAATGAGTCATCA  
TTTTATGCTATCAAAGTACCCGACATCTTTTCAAATACAGAAAAATCTTCAAATCAAGAAAGGTAC  
TTTTGGAAGCAATCGAAAAAGATAAGGAGAACACAAAGTTATACCTCAATTTACTTGAATGGAATACAG  
TTGTGACCTCAAGCAAAATGAAGAAAATATCCTCAATTGCTTTGACAAAGCCATACATGGTTCATTGCCT  
ATTAATAATGGAATTACATTTTCTCAAAGAAAAGTGAATTCCTTGAAGATTTTGGTTCAGATGTTAATA  
AGCTTCTGAATGCATATGATGAACACCAAACACTTCTAAAAGAACAGGACTTTTAAAAAGGAAAGCTGA  
AAATGGCTCAGAAGAACCAGAAGAAAAGAAAGCACACACAGAAGATTTGTCATCAGCACAGATCATTGAT  
GGGATTTACAGGCAATCAAGCTGCATATAATTACAGTGCCTGGTACCAGTACAATTATCAGAATCCTT  
GGAATTATGGACAGTATTATCCTCCACCTCCAAT

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG203619 representing NM\_177806  
 Red=Cloning site Green=Tags(s)

MQNSHMEEYRNSDNGSTGNSSEVAVVEHPDFSTEIMNVTEMEQSPDASPSAHASTEENEMANAVNLPVTE  
 AEGDFPPEFEKFWKTVMNPQDFTGWVYLLQYVEQENHLMAARKAFDKFFVHYPYCYGYWKYADLEKRH  
 DNIKQSDEVYRRLQAIPLSVDLWIHYINFLKETLDPGDQETNTTIRGTFEHAVLAAGTDFRSDKLWEMY  
 INWENEQGNLREVTAVYDRILGIPTQLYSHHFQRFKEHVQNNLPRDLLTGEQFIQLRRELASVNGHSGDD  
 GPPGDDLPSGIEDITDPAKLITEIENMRHRIIEIHQEMFNyneHEVSKRWTFEEGIKRPFYFVKPLEKAQ  
 LKNWKEYLEFEIENGThERVVVLfERCVISCALYEEFWIKYAKYmenHSIEGVRHVfSRACTVHLpKKPM  
 AHMLWAAFEeQQGNIEARIILRTFEeCVLGLAMVRLRRVSLERRHGNMEEAEHLLQDAIKNAKSNNESS  
 FYAIKLARHLFKIQKNLpSRKVLEAIEKDKENTKLYLNLEMEYSCDLKQNEENILNCFDKAIHGSLP  
 IKMRITFSQRKVEFLDFGSDVNKLLNAYDEHQTLKKEQDTLKRKAENGSEEPeeKKAHTEDLSAQIID  
 GDLANQAAYNYSAWYQYNYQNPWNYGQYPPPT

TRTRPLE - GFP Tag - V

**Restriction Sites:**

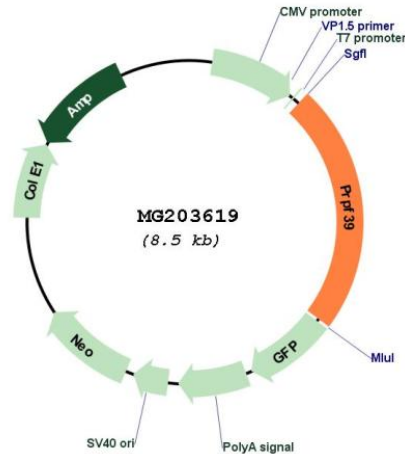
Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_177806

ORF Size: 1995 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\\_177806.3](#), [NP\\_808474.2](#)

RefSeq Size: 4096 bp  
RefSeq ORF: 1998 bp  
Locus ID: 328110  
Cytogenetics: 12 C1