

## Product datasheet for **MG212586**

### **Prrg1 (NM\_001164275) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prrg1 (NM_001164275) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prrg1
Synonyms:	2010007L08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212586 representing NM_001164275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAAGGGTTTTCTCACGGAAGAAAAGCCAACCTCAGTACTAAAACGCTACCCAAGAGCCAATGGGC  
TTTTTGAAGAAATAGACAGGGCAACATTGAGCGTGAGTGCAGAGAAGAAATCTGTACATATGAAGAAGC  
CAGAGAGGCTTTGAAAATCATGAAAACTAAGGAGTTTGGAGCACCTACACAAAAGCACAACAAGGA  
GAAACCAACAGAGGAAGTACTGGTTTCAATTTTATCTTACTTTTCCATTAATCTTTGGCCTCTTCATTA  
TTCTCCTGTGCATCTTCTTAATCTGGAGATGCTTCTAAGAAACAAAACCTCGGAGACAGACAGTACTGA  
AAGCCACATTCCTTTCCCTCAGCAACTTAACATCATCACTCCACCTCCTCCACCAGATGAAGTCTTTGAT  
AGCAGTGCATTGTCTCCAGGGTTTTGGAATATGTTGTTGGGCGTTCAGATTCGGTTTCCACTCGCCTTT  
CCAAGTGTGATCCCCACCTACCTATGAGGAAGCCACCGCCAGGTGAACCTGAGAAGGAGTGAACAGA  
ACCTCCTTTAGACCCACCACCAAGATATGAGGACATAGTCAACTCCAGTTCAGCTAGTGCCATTGCTATG  
GTGCCTGTGGTCACCACCATCAA

**ACGCGT**ACGCGGGCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG212586 representing NM\_001164275  
 Red=Cloning site Green=Tags(s)

MGRVFLTEEKANSVLKRYPRANGLFEEIRQGNIERECREEICTYEEAREAFENHEKTKEFWSTYTKAQQG  
 ETNRGSDWFQFYLTFFPLIFGLFIILLVIFLIWRCFLRNKTRRQTVTESHIPFPQQLNIITPPPPDEVFD  
 SSALSPGFLEYVVRSDSVSTRLSNCDPPPTYEEATGQVNLRRSETEPPLDPPPEYEDIVNSSSASAIAM  
 VPVVTTIK

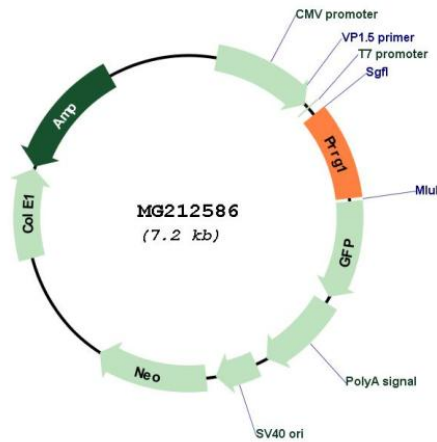
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001164275

**ORF Size:** 654 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164275.2</a> , <a href="#">NP_001157747.1</a>
<b>RefSeq Size:</b>	3851 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	546336
<b>Cytogenetics:</b>	X B