

## Product datasheet for MC226437

### Prrg3 (NM\_001303028) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prrg3 (NM_001303028) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prrg3
Synonyms:	Gm368
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226437 representing NM_001303028 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTATTTCTAGAAGCAAAAAATGCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC  
TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCAGTTATGAAGAGGTCAA  
GGAAGTATTTGAGAACAAGAGAAAACGATGGAGTTCTGGAAGGGATACCCAAACGCAGTCTACTCAGTT  
CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGTGGTGGCCCTTCTGGGGGTAGTCTTGCTGATTG  
TCATTGCCTTGTTATCATCTGGAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCTCCTATGCTCA  
GAACCGATACCTAGCCAGTCGTGCTGGGCACAACCTCCCCGTGTATGGTGTACAGAGGTACTGTGCAC  
AGCCAGGGAGAGTCCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG  
GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCTGAGCTCTCTCTCCAGACTATCCAG  
TGCTACCCCTCCCCCTTCTATGAGGAGGTGACTGCACCCAGGAGGGCAGCAGTGAGGAGGCCAGTGTC  
TCTTACAGTGACCCTCCCCAAAGTATGAAGAGATTGTGGCAGCCAGCCCAAGTGCAGACAAG**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001303028
Insert Size:	696 bp


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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001303028.1</a> , <a href="#">NP_001289957.1</a>
<b>RefSeq Size:</b>	6036 bp
<b>RefSeq ORF:</b>	696 bp
<b>Locus ID:</b>	208748
<b>UniProt ID:</b>	<a href="#">Q6PAQ9</a>
<b>Cytogenetics:</b>	X A7.3
<b>Gene Summary:</b>	<p>This gene encodes proline-rich gamma-carboxyglutamic acid protein 3, a member of vitamin K-dependent membrane proteins containing gamma-carboxyglutamic acid residues. The encoded precursor protein contains an N-terminal propeptide that is required for the carboxylation of glutamate residues in the mature protein. Alternate splicing of this gene results in multiple transcript variants that encode the same protein. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 5' UTR and a shorter 3' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>