

## Product datasheet for MC212510

## Prrg3 (NM\_001081135) Mouse Untagged Clone

## **Product data:**

## OriGene Technologies, Inc.

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Product Type:Expression PlasmidsProduct Name:Prrg3 (NM_001081135) Mouse Untagged CloneTag:Tag FreeSymbol:Prrg3Synonyms:Gm368Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Cell Selection:NeomycinFully Sequenced ORF:>MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGCGGCACCATGGACTCGGATCCGGAAGGATCGCGGCAGGAGATTCGC GCGCGCAATCGCCATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGGCAG		
Tag:Tag FreeSymbol:Prrg3Synonyms:Gm368Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Cell Selection:NeomycinFully Sequenced ORF:>MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGAGGAGAATCGCC GCCGCGATCGCCATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTCCCTCGTGCCAATGAGGGCAACCCAGTCACGAAGGAGATCTGCCCAGGGAAGTCTGCCAGTGAAACGAGTCGTCACGTATTTCAGAGAGGTAACCCAAGGAGACTCGTCCAGTTAGGAGGGATACCCAAGGAGATCTGCCCAGGGAAGACTCGTCCCGTGAGGGAGACACCTGTCACGAGGAGGATTCGTCGGAGGAGATCTGTCCAGTGGAGAGGATTCGTCGGAGGGATTCGTCGGAGGGCTACCCCAAGGCAGTCTGGCAGGGATTCGGTCGG	Product Type:	Expression Plasmids
Symbol:Prrg3Synonyms:Gm368Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)Cell Selection:NeomycinFully Sequenced ORF:>MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codonTTTTGTAATACGACTCACTATAGGCGGCCGGGGAATTCGTCGGACTCGGACCGAGGAGATCCGCC GCCCGCATCGCCATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTCC TGAAGGAGCTACGTCAGTCAGGAAAAAATGCCCATGCAGGCAG	Product Name:	Prrg3 (NM_001081135) Mouse Untagged Clone
Synonyms:       Gm368         Vector:       pCMV6-Entry (PS100001)         E. coli Selection:       Kanamycin (25 ug/mL)         Cell Selection:       Neomycin         Fully Sequenced ORF:       >MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codon         TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC       ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAACGGTTCCCTGTGCCAATGAGTTCC TGGAGGAGCTACGTCAGGCACCATTGAGCGGAGTGCCTGGAAGGATACCCCAATGAGGTCC GCAGGCAGCTACGTCAGGCACCATTGAGCGGAGTGCCTGGAAGGAA	Tag:	Tag Free
Vector:     pCMV6-Entry (PS100001)       E. coli Selection:     Kanamycin (25 ug/mL)       Cell Selection:     Neomycin       Fully Sequenced ORF:     >MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codon       TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGAGGAGATCTGCC GCCGCGATCGCC     ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGGCCAATGAGTTCC TGGAGGAGCTACGTCAAGGCACCATTGAGCGGGAGGTCCTGGAAGGAGATCTGCCAGTGAGGGTACTGCAGGGAGGTCACCGAGGCAGCCCC       ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGGCAG	Symbol:	Prrg3
E. coli Selection:       Kanamycin (25 ug/mL)         Cell Selection:       Neomycin         Fully Sequenced ORF:       >MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codon         TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC       ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGCGGCAGGGATCCGGCAGGGAAGAGATCTGCCCAGGGAGGTCAGGGAGGTACCGCAGGGAGTACCGCAAGGGAGTTCTGGAGGGGATCCGCAGGGAGTACCGCAAGGGAGTTCTGGAGGGGATACCGCAAGGGAGTTCTGGAGGGGATCCGCAGGGAGTACCGCAGGGAGTACCGCAGGGAGTACCGCAGGGAGTACCGCAGGGAGTACCGCAGGGGAGTACCGCAGGGGAGTACCGCAGGGGAGTACCGCAGGGGAGTACCGCAGGGGAGTACCGCAGGGGGAGGCACCATTGGAGGGGGCACCCTTGGGGGGCACCATGGAGGGATCCGCAGAGGGATCCGCAGAGGGAGTACCGCAGAGGAGTCTGCGAGGTAGGGGCAGCAACCGTGGAGGGAG	Synonyms:	Gm368
Cell Selection:       Neomycin         Fully Sequenced ORF:       >MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codon         TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTCGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC       ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGGTTCC TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGGGATACTGCAGTTAGAGAGGTCAA GGAAGTATTTGAGAACAAAGAGAAAAACGATGGAGTTCTGGAAGGGATACCCAACGCAGTCACTCAGTT CGAGACCCCTCACAGAGCTCAGGGCACCATTGAGCGGGAGTGCATGGAAGGGATACCCCAACGCAGTCATCAGTT CGAGACCCCTCACAGAGCTCAGGGCACCATTGGAGGGTGCTGGGGGCACCATTGGAGGGAG	Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:       >MC212510 representing NM_001081135 Red=Cloning site Blue=ORF Orange=Stop codon         TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC       ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTCCTCGTGCCAATGAGTTCC TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCCAGTTATGAAGAGGGTCAA GGAAGTATTTGAGAACAAAGAGAAAACGATGGAGTTCTGGAAGGAA	E. coli Selection:	Kanamycin (25 ug/mL)
Red=Cloning site Blue=ORF Orange=Stop codon         TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGAGGAGGATCTGCC         GCCGCGCATCGCC         ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCCAATGAGTTCC         TGGAGGAGCTACGTCAGGGCACCATTGAGGGGAGTCCTGGAAGAGATCTGCAGTGCAATGAAGTCT         GGAAGTATTTGAGAACAAAGAGAAAACGATGGAGTTCTGGAAGGGGATACCCAAACGCAGTCTACTCAGTT         CGAGACCCCTCACAGAGCTCAGAGCACAATGAATGGAGTTCTGGAAGGGATACCCAAACGCAGTCTACTCAGTT         CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGTGGTGCCCCTTCTGGGGGTAGTCTTGCTGATTG         TCATTGCCTTGTTTATCATCTGGAGGGTGCCAACTGCAGAAAACCACTGGTCACCACCCCCCCC	Cell Selection:	Neomycin
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGAGACGGAGGATCTGCC         GCCGCGCATCGCC         ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC         TGGAGGAGCTACGTCAGGGCACCATTGAAGCGGGAGTGCATGGAAGAGATCTGCAGTTATGAAGAGGTCAA         GGAAGTATTTGAGAACAAAAGGAAAACGATGGAAGTGCATGGAAGAGATCTGCAGTTATGAAGAGGGTCAA         GGAACTACTTGCAGGCCACCATTGAAGGGGAGTGCCATGGAAGGGATACCCAAAAGGAAGG	Fully Sequenced ORF:	· •
GCCGCGATCGCC         ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC         TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCAGTTATGAAAAGGGTCAA         GGAAGTATTTGAGAACAAAGAGAAAACGATGGAGTTCTGGAAGGGATACCCAAACGCAGTCTACTCAGTT         CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTAGTGGTGGTGCCCCTTCTGGGGGGTAGTCTTGCTGATTG         TCATTGCCTTGTTTATCATCTGGAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCTCCTATGCTGA         GAACCGATACCTAGCCAGTCGTGCTGGGCACCATGCAGAAAGCAACTCGTCACCAGCAGGTACTGTGCAC         AGCCAGGGAGAGTCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATGGTACAGAGGTACTGTGCAC         AGCCAGGGAGAGTCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG         GAGGCAGAACCACTGTCAGGCTGGAGGAGGTACCCTCTACCTCCCTGAGCTCTCTCT		Red=Cloning site Blue=ORF Orange=Stop codon
ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC         TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCCGTTATGAAGAGGTCAA         GGAAGTATTTGAGAACAAAGAGAAAACGATGGAGTTCTGGAAGGGATACCCAAACGCAGTCTACTCAGTT         CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGGTGG		
TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCAGTTATGAAGAGGTCAA GGAAGTATTTGAGAACAAAGAGAAAACGATGGAAGTGCATGGAAGAGAACCCAAACGCAGTCTACTCAGTT CGAGACCCCTCACAGAGGCTCAGATGCTATGTATGTGGTGGTGCCCCTTCTGGGGGTAGTCTTGCTGATTG TCATTGCCTTGTTTATCATCTGGAAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCCTCCTATGCTCA GAACCGATACCTAGCCAGTCGTGCCCCGTGAGGCAAGCAA		GCCGCGATCGCC
GGAAGTATTTGAGAACAAAGAGAAAACGATGGAGTTCTGGAAGGGATACCCAAACGCAGTCTACTCAGTT CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGTGGTGCCCCTTCTGGGGGTAGTCTTGCTGATTG TCATTGCCTTGTTTATCATCTGGAAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCCTCTATGCTCA GAACCGATACCTAGCCAGTCGTGGTGGCCACACCTGCCAGAAAGCAACCTCGTCACCACCCCCCCTCTATGCTCA GGACGCAGGAGAGTCCTCTGGGCACCGTGGGCACAACCTCCCCCCGTGTCATGGTGTACAGAGGGTACTGTGCAC AGCCAGGGAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCCGAGCAGCAGTAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCTGAGCTCTCTCT		ATGGCTGTATTTCTAGAAGCAAAAAATGCCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC
CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGTGGTGCCCCTTCTGGGGGTAGTCTTGCTGATTG TCATTGCCTTGTTTATCATCTGGAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCCCTATGCTCA GAACCGATACCTAGCCAGTCGTGGCACCACTGGGGAACTCGCCAGGAGGTACTGTGCAC AGCCAGGGAGAGTCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCGAGCAGATAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCCCCAGGAGGGCAGCAGTGAGGAGGCCAGCTGTC TCTTACAGTGACCCCTCCCCCAAAGTATGAAGAGGTGACTGCCAGCCA		
TCATTGCCTTGTTTATCATCTGGAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCTCCTATGCTCA GAACCGATACCTAGCCAGTCGTGGTGGCACCACCCCCCGTGTCATGGTGTACAGAGGTACTGTGCAC AGCCAGGGAGAGTCCTCGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGGTGACCTCTACCTCCCCAGAGTAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGGTGACTGCACCCCAGGAGGGCAGCAGTGAGGAGGCCAGTGTC TCTTACAGTGACCCTCCCCCAAAGTATGAAGAGAGTTGTGGCAGCCAGC		
GAACCGATACCTAGCCAGTCGTGCTGGGCACAACCTCCCCCGTGTCATGGTGTACAGAGGTACTGTGCAC AGCCAGGGAGAGTCCTCTGGGCACCGTGAGGCAGGCAGGAATAACCCACAGATAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCCAGAGTAGTTATGGGACCCAGCCGGG GAGGCAGAACCACTGTCAGGCTGGAGAGGTGACTGCACCCCAGGAGGGCAGCAGTGAGGAGGCCAGTGTC TCTTACAGTGACCCTCCCCCAAAGTATGAAGAGAGTTGTGGCAGCCAGC		
AGCCAGGGAGAGTCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG         GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCTGAGCTCTCTCT		
GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCTGAGCTCTCTCT		
TGCTACCCCTCCCCCTTCCTATGAGGAGGTGACTGCACCCCAGGAGGGCAGCAGTGAGGAGGCCAGTGTC         TCTTACAGTGACCCTCCCCCAAAGTATGAAGAGAGTTGTGGCAGCCAGC		
TCTTACAGTGACCCTCCCCCAAAGTATGAAGAGATTGTGGCAGCCAGC		
ACGCGT ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT         ACAAGGATGACGACGATAAGGTTTAA         Restriction Sites:       Sgfl-Mlul         ACCN:       NM_001081135		
ACAAGGATGACGACGATAAGGTTTAA         Restriction Sites:       Sgfl-Mlul         ACCN:       NM_001081135		
Restriction Sites:Sgfl-MlulACCN:NM_001081135		ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACCN: NM_001081135		ACAAGGATGACGACGATAAGGTTTAA
	<b>Restriction Sites:</b>	Sgfl-Mlul
Insert Size: 696 bp	ACCN:	NM_001081135
	Insert Size:	696 bp



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<b>ORIGENE</b> Prrg3 (NM_001081135) Mouse Untagged Clone – MC212510	
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 001081135.2, NP 001074604.1</u>
RefSeq Size:	5947 bp
RefSeq ORF:	696 bp
Locus ID:	208748
UniProt ID:	Q6PAQ9
Cytogenetics:	X A7.3
Gene Summary:	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] Transcript Variant: This variant (1) represents the shorter transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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