

## Product datasheet for **MR228648**

### **Prrg3 (NM\_001303028) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prrg3 (NM_001303028) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prrg3
Synonyms:	Gm368
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR228648 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGATTTCTAGAAGCAAAAAATGCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC  
TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCAGTTATGAAGAGGTCAA  
GGAAGTATTTGAGAACAAGAGAAAACGATGGAGTTCTGGAAGGGATACCCAACGCAGTCTACTCAGTT  
CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGTGGTGGCCCTTCTGGGGTAGTCTTGCTGATTG  
TCATTGCCTTGTATCATCTGGAGGTGCAACTGCAGAAAGCAACTCGTCACCACCCCTCCTATGCTCA  
GAACCGATACCTAGCCAGTCGTGCTGGCACAACCTCCCCGTGTCATGGTGTACAGAGGTACTGTGCAC  
AGCCAGGAGAGTCCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG  
GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCTGAGCTCTCTCTCCAGACTATCCAG  
TGCTACCCCTCCCCCTTCTATGAGGAGGTGACTGCACCCAGGAGGGCAGCAGTGAGGAGGCCAGTGTC  
TCTTACAGTGACCCTCCCCAAAGTATGAAGAGATTGTGGCAGCCAGCCCAAGTGCAGACAAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR228648 protein sequence  
Red=Cloning site Green=Tags(s)

MAVFLEAKNAHAVLKRFPANEFLEELRQGTIERECMEEICSYEEVKEVFENKEKTMFWKGYPNAVYSV  
 RDPSQSSDAMYVVVPLLGVLLIVIALFIIWRCQLQKATRHHPHYAQNRYLASRAGHNLPRVMVYRGTVH  
 SQGESSGHREAGNNPQIVMGPSRGGRTTVRLESTLYLPELSLRLSSATPPPSYEEVTAPEQSSEASV  
 SYSDPPPKYEEIIVAASPSADK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001303028

**ORF Size:** 696 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\\_001303028.1](#), [NP\\_001289957.1](#)

**RefSeq Size:** 6036 bp

**RefSeq ORF:** 696 bp

**Locus ID:** 208748

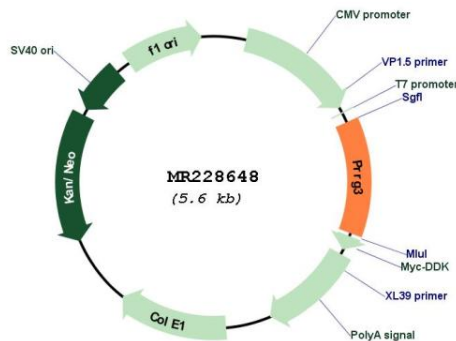
**UniProt ID:** [Q6PAQ9](#)

**Cytogenetics:** X A7.3

**MW:** 25.9 kDa

**Gene Summary:** This gene encodes proline-rich gamma-carboxylglutamic acid protein 3, a member of vitamin K-dependent membrane proteins containing gamma-carboxylglutamic 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]

**Product images:**



Circular map for MR228648