

Product datasheet for **MG218572**

Prrg3 (NM_001081135) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prrg3 (NM_001081135) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prrg3
Synonyms:	Gm368
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218572 representing NM_001081135 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGATTTCTAGAAGCAAAAAATGCCATGCAGTCCTGAAACGGTTTCCTCGTGCCAATGAGTTCC
TGGAGGAGCTACGTCAGGGCACCATTGAGCGGGAGTGCATGGAAGAGATCTGCAGTTATGAAGAGGTCAA
GGAAGTATTTGAGAACAAGAGAAAACGATGGAGTTCTGGAAGGGATACCCAACGCAGTCTACTCAGTT
CGAGACCCCTCACAGAGCTCAGATGCTATGTATGTGGTGGTGGCCCTTCTGGGGTAGTCTTGCTGATTG
TCATTGCCTTGTATCATCTGGAGGTGCCAACTGCAGAAAGCAACTCGTCACCACCCCTCCTATGCTCA
GAACCGATACCTAGCCAGTCGTGCTGGGCACAACCTCCCCGTGTCATGGTGTACAGAGGTACTGTGCAC
AGCCAGGGAGAGTCCCTCTGGGCACCGTGAGGCAGGAAATAACCCACAGATAGTTATGGGACCCAGCCGGG
GAGGCAGAACCACTGTCAGGCTGGAGAGTACCCTCTACCTCCCTGAGCTCTCTCTCCAGACTATCCAG
TGCTACCCCTCCCCCTTCTATGAGGAGGTGACTGCACCCAGGAGGGCAGCAGTGAGGAGGCCAGTGTC
TCTTACAGTGACCCTCCCCAAAGTATGAAGAGATTGTGGCAGCCAGCCCAAGTGCAGACAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218572 representing NM_001081135
Red=Cloning site Green=Tags(s)

MAVFLEAKNAHAVLKRFPANEFLEELRQGTIERECMEEICSYEEVKEVFENKEKTMFWKGYPNAVYSV
 RDPSQSSDAMYVVVPLLGVLLIVIALFIIWRCQLQKATRHHP SYAQNRYLASRAGHNLPRVMVYRGTVH
 SQGESSGHREAGNNPQIVMGPSRGGRTTVRLESTLYLPEL SL SRLSSATPPPSYEEV TAPQEGSSEEASV
 SYSDPPPKYEEI VAASPSADK

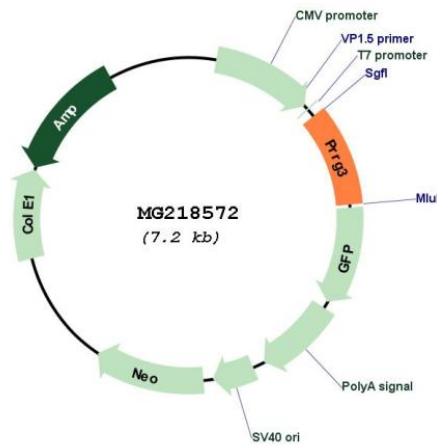
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001081135

ORF Size: 693 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:	<ol style="list-style-type: none">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_001081135.2 , NP_001074604.1
RefSeq Size:	5898 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]