

## Product datasheet for **MG215906**

### **Paqr9 (NM\_198414) Mouse Tagged ORF Clone**

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Paqr9
<b>Synonyms:</b>	1700020G04Rik
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215906 representing NM\_198414  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCCGCGCGCCTGCAGCAGCGGGCGCCGGCGTGAAGGGACCGCCGGCCTCGACCTCCCAGCGCTCGC  
ATCCCAGCCTCCGCTCCGCCCCCGGAGCCCGCGCGGCCACGACCAAGCCGCTGCTGCGCTGGGACGA  
GGTGCCCGATGACTTCGTGGAGTGCTTCATCCTGTCCGGTACCGCGCGCTGCCGTGCACCGCGCAAGAG  
TGCTGGCCTCGGTGCTGAAGCCACCAATGAGACGCTCAACTTCTGGACGCACTTCATCCCAGTGTGCTGC  
TGTTCCCTCAGTAAGTTCTGCCGCTCTTCTTCTGCGCGCAGCGATGTGCCCTCCACCACCCCTGGCT  
GCTGCCGCTGTGGTGTATGCGTCCGGGGTGTGCTGACCTTCGCCATGAGCTGCACGGCGCACGTGTTT  
AGCTGCCTGTGCTGCGCTGCGCGCCGCTTCTTCTACCTGGACTACGCTTCATCAGCTACTATGGCT  
TCGGCAGCACCGTGGCCTACTACTACTACCTGCTGCCAGCCTGAGCCTGCTGGACGCCAGGGTTCATGAC  
GCCGTATGTGAGCAGCGCCTGGGCTGGCACGTGGACTGCACCCGCTCATCGCGGTCTACCGCGCGCTC  
GTGCTGCCCGTGGCCTTCGTGCTGGCTGTGGCCTGCACCGTGGCTTGTGTAAGAGCCGCACCGACTGGT  
GCTCCTACCGTTCGCCCTGCGCACCTTCGTCTTCGTATGCCGCTCAGCATGGCCTGCCCATATGCT  
AGAGAGCTGGCTCTCGACCTGCGAGGCGAGAACCCACACTTTCGTGCACTTCTACCGCGCTACTTC  
TGGCTGGTGGTGGCCGCTTCTCAACGTGAGCAAGATCCCTGAGCGCATCCAGCCGGTCTCTTCGACA  
TCATTGGCCACAGCCATCAGCTCTTCCACATCTTCACTTTCCTCAGCATCTATGACCAGGTGTAACGT  
GGAAGAGGGCTGCGCCAGTTCCTCCAGGCACCCCTGCCGCGCCACCTTCTCGGGCACAGTGGGTAC  
ATGCTGCTGCTGGTGGTTGCCTGGGACTAGTCATCAGGAAGTTCCTGAACAGCACCGAATTCGCGAGTA  
AAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG215906 representing NM\_198414  
 Red=Cloning site Green=Tags(s)

MPRRLQQRGAGVKGPPASTSRRSHPASASAPRPPAATTKPLLRWDEVPDDFVECFILSGYRRLPCTAQE  
 CLASVCLKPTNETLNFWTHFIPLLLFLSKFCRLFFLGGSDVPFHPWLLPLWCYASGVLLTFAMSCTAHVF  
 SCLSLRLRAAFFYLDYASISYYGFGSTVAYYYLLPSLSLLDARVMPYVQQRLGWHVDCTRLIAYYRAL  
 VLPVAFVLAVACTVACCKSRTDWCSYPFALRTFVFMPLSMACPIMLSWLFDLRGENPTLFVHFYRRYF  
 WLVAFAFFNVSKIPERIQPLFDIIGHSHQLFHIFTFLSIYDQVYVVEEGLRQFLQAPPAAPTFSGTVGY  
 MLLLVVCLGLVIRKFLNSTEFCSKK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198414

**ORF Size:** 1125 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_198414.3](#)

**RefSeq Size:** 2305 bp

**RefSeq ORF:** 1128 bp

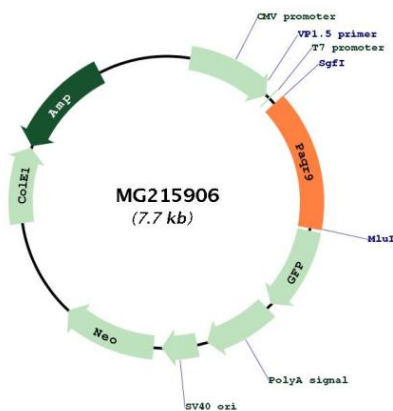
**Locus ID:** 75552

**UniProt ID:** [Q6TCG2](#)

**Cytogenetics:** 9 E3.3

**Gene Summary:** Plasma membrane progesterone (P4) receptor coupled to G proteins. Seems to act through a G(s) mediated pathway. May be involved in regulating rapid P4 signaling in the nervous system. Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG215906