

## Product datasheet for **MG216535**

### Paqr6 (NM\_198410) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Paqr6 (NM\_198410) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Paqr6  
 Synonyms: 1500001B10Rik  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG216535 representing NM\_198410  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTCAGTCTCAAGATGCCTCAACTCCTTCGAGTCCATCAGGTCCCCGGGTGTTTTGGGAAGAAGGCA  
 TCATGTCTGGCTACCGATGCCCCACAAGCTCTGCCTTAGACTGTGTTCTCAGCTCCTCCAGATGACTAA  
 TGAGACGGTCAACATCTGGACTCACTTCTGCCACCTGGTACTTCTGTGGCGCCTCTGGCGTTAGGC  
 AGCCCGGGCTTTCGCGCGGACCCATACCACCTACCGCTGCTGGTCTTCTACTGCCCGCCTGCCTCTATC  
 CCTTCGCATCCTGCTGTGCGCACACCTTTAGCTCCATGTCGCCTCGTGCCTCACATCTGCTACTTCTCCT  
 GGACTACGGGGCGCTCAGCCTCTACAGCCTGGGCTGCGCCTTCCCTATGCCGCCTACTCCATGCCGGCC  
 TCCTGGCTGCACAGCCGCTACACCAGCTTTCGTCGCCGCTGCTGCGCTCAACTCTTCTGTGCACCG  
 GCCTCTCTGCTACTCGCGGTTCCAGAGCTAGAATACCCGGGTTACAGCAAGGCTCTCCGCACGGCTGC  
 CTTTGCTACCCCTTCTTGTGGACAACCTCCCACTGTTCTACAGGCTGCGGCTGTGTTGGGGCGGGGCC  
 CACAGCTGTGGGCGGACGCGCTGAGCTCCAACCATGGTTACCACCTCCTCTGCGCTGCTCTCAGGCT  
 TCCTTTTGCAGCCCGTCTACCAGAGCGCTGGACCTGGGCGCTTCGACTATATTGGCCACAGCCACCA  
 GCTGTTCCATATCTGTGCCGTGCTGGGCACCCACTTCCAGCTGGAAGCGGTGCTGGCTGATATGGGATCC  
 CGCAGACCTGGCTGGCCGTGCAGGAGCCACCCTGGGCTGCGGGCCACTGTAGCCACCTTGAGCCTGG  
 CAGTGATTGGGAACCTGTTTATCATTGCTGCTTTCACGGCTCCTTGCTGCGGATGCCTGGACCCCTGCC  
 CCTGCTGCAGGGTAGCCCACTGGAAGAGGGACTCCAAGCTAAACAACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG216535 representing NM\_198410  
 Red=Cloning site Green=Tags(s)

MLSLKMPQLLRVHQVPRVFWEEGIMSGYRCPTSSALDCVLSFFQMTNETVNIWTHFLPTWYFLWRLALG  
 SPGFRADPYHLPLLVLPACLYPFASCCAHTFSSMSPRARHICYFLDYGALSLYSLGCAFPYAAYSMPA  
 SWLHSRLHQLFVPAALNSFLCTGLSCYSRFPPELEYPGFSKALRTAAFAYPFLFDNLPFYRLRLCWGGA  
 HSCGRDALSSNHGYHLLCALLSGFLFAARLPERLAPGRFDYIGHSHQLFHICAVLGTHTFQLEAVLADMGS  
 RRAWLAVQEPTLGLGATVATLSLAVIGNLFIIAAFTASLLRMPGPCPLLQGSPLLEGLQAKQQ

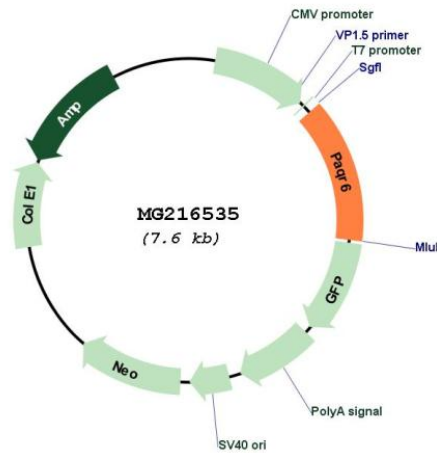
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_198410

**ORF Size:** 1029 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_198410.3</a> , <a href="#">NP_940802.1</a>
<b>RefSeq Size:</b>	1689 bp
<b>RefSeq ORF:</b>	1032 bp
<b>Locus ID:</b>	68957
<b>UniProt ID:</b>	<a href="#">Q6TCG5</a>
<b>Cytogenetics:</b>	3 F1
<b>Gene Summary:</b>	Plasma membrane progesterone (P4) receptor coupled to G proteins. Seems to act through a G(s) mediated pathway. Involved in neurosteroid inhibition of apoptosis. May be involved in regulating rapid P4 signaling in the nervous system. Also binds dehydroepiandrosterone (DHEA), pregnanolone, pregnenolone and allopregnanolone.[UniProtKB/Swiss-Prot Function]