

## Product datasheet for **RR207207**

### Avpr2 (NM\_019136) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Avpr2 (NM\_019136) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Avpr2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207207 representing NM\_019136  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCTGGTGTCTACCGTGTCCGCTGTGCCTGGGCTCTTTTCACCCCCTAGCTCTCCAGCAACAGCA  
GCCAGGAGGAAGTACTGGATGACCGAGACCCGCTGCTAGTCCGGGCTGAAGTGGCCCTGCTATCTACAAT  
TTTTGTGGCTGTGGCCTTGAGCAATGGCCTAGTGTGGGGCCCTAATACGGCGGGCCGGCGTGGACGC  
TGGGCACCCATGCATGTCTTCATCAGTCATTTGTGCCTGGCTGACCTGGCTGTGGCTCTGTTTCAAGTGC  
TACCCAGCTGGCTTGGGATGCCACTGACCGCTTCCATGGCCCTGATGCCCTGTGTGGGCGCTCAAGTA  
CCTGCAGATGGTGGGCATGTATGCCTCCTCCTACATGATCCTGGCCATGACACTAGACCGCCATCGTGCC  
ATCTGCCGCCCTATGCTAGCATAACGCCATGGAGGTGGGGCTCGCTGGAACAGGCCAGTGTGGTGGCCT  
GGGCTTCTCACTCCTTCTCAGCCTGCCTCAGCTTTCATCTTTGCTCAGCGTGTGGGAAATGGCAG  
TGGGGTGTGGATTGCTGGGCCGATTTGCAGAACCATGGGGCCTTCGTGCCTATGTCACCTGGATTGCC  
TTGATGGTGTGGTGGCACCTGCCCTAGGCATTGCTGCCTGTGAGTTCTTATCTCCGGGAGATACAGC  
CCAGTCTGGTGGCAGGGCCATCCGAGAGGGCAGGGAGGCCCGCAGAGGGCGCCGACAGGAAGCCCCAG  
CGAGGGAGCACATGTATCAGCAGCCATGGCCAAGACCGTGAGGATGACACTGGTATTGTATTGTCTAC  
GTGCTATGCTGGGCACCCCTTCTCCTCGTGACGCTGTGGGCAGCGTGGGATCCGGAAGCTCCTCTGGAAA  
GACCCCTTTGTGTTGCTCATGCTGCTGGCTAGCCTTAACAGCTGTACCAACCTTGGATCTATGCTTC  
CTTCAGTAGCAGTGTCTCCTCGGAGTTGCGTAGCCTGCTTTGCTGTGCTCAGAGGCACACCACACACAGC  
CTGGGTCTCAAGATGAATCCTGTGCCACAGCCAGCTCCTTTGATGAAGGATACACCTCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207207 representing NM\_019136  
 Red=Cloning site Green=Tags(s)

MLLVSTVSAVPLFSPPSSPSNSSQEELDDRDPLLVRAELALLSTIFVAVALSNGLVLGALIRRRGR  
 WAPMHVFIHSLCLADLAVALFQVLPQLAWDATDRFHGPDALCRAVKYLQVMGYASSYMLAMTLDRHRA  
 ICRPMLAYRHGGGARWNRVPLVAWAFSLLLSLPQLFIFAQRDVGNGSGVFDWARFAEPWGLRAYVTWIA  
 LMVFVAPALGIAACQVLI FREIHASLVPGP SERAGRRRRGRRTGSPSEGAHVSAAMAKTVRMTLVIVIVY  
 VLCWAPFFLVQLWAAWDPEAPLERPPFVLLMLLASLNSCTNPWIYASFSSSVSELRSLLCCAQRHTHS  
 LGPQDESCATASSLMDKTPS

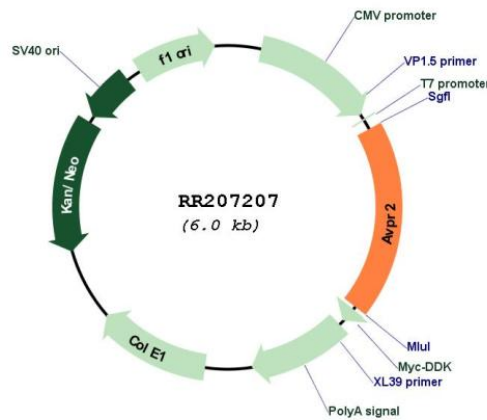
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_019136

<b>ORF Size:</b>	1113 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_019136.1</a> , <a href="#">NP_062009.1</a>
<b>RefSeq Size:</b>	1116 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	25108
<b>UniProt ID:</b>	<a href="#">Q00788</a>
<b>Cytogenetics:</b>	Xq37
<b>MW:</b>	40.7 kDa
<b>Gene Summary:</b>	G-protein coupled receptor for arginine vasopressin; responsible for mediation of antidiuretic effect and changes in blood pressure [RGD, Feb 2006]