

## Product datasheet for MC208169

### Avpr2 (NM\_019404) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Avpr2 (NM\_019404) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Avpr2  
**Synonyms:** ADHR; DI; DI1; DIR; ND; ND1; V; V2R; VPV2R  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC208169 representing NM\_019404  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCCTGGTGTCTACCACGTCTGCAGTGCCTGGGGCCCTTCGTCCTTAGCTCTCCAGCAACAGCA  
 GCCAGGAGGAGCTACTGGATGACCGAGACCCGCTGTTAGTCCGGGCTGAACTGGCCCTGCTATCTACAAT  
 TTTTGTGGCTGTGGCCTTGAGCAATGGCCTAGTGTCTGGGGCCCTAATACGACGGGGTGGCGTGGACGC  
 TGGGCACCCATGCACGTCTTCATCAGTCATTTGTGCCTAGCTGACCTGGCTGTGGCTCTGTTTCAAGTGC  
 TGCCCCAGCTGGCTTGGGATGCCACCGACCGCTTCCATGGCCCTGATGCCTTGTGTGGGCCGTC AAGTA  
 CCTGCAGATGGTGGGCATGTATGCCTTCTCTACATGATCCTGGCCATGACACTAGACCCGATCGCGCC  
 ATCTGCCGCCCTATGCTGGCATACCGCCATGGAGGTGGGGCTCGCTGGAACAGGCCAGTGCCTGGTGGCCT  
 GGGCCTTCTCACTCCTTCTCAGCCTGCCTCAGCTCTTCATCTTTGCTCAACGTGATGTGGAAATGGCAG  
 TGGGGTATTTGATTGCTGGGCCGATTTGCAGAGCCATGGGGCCTTCGTGCCTATGTACCTGGATCGCC  
 TTGATGGTGTGTGGCACCTGCCCTAGGCATTGCTGCCTGCCAGGTTCTTATCTCCGGAGATACATG  
 CCAGTCTGGTGGCAGGGCCATCTGAAAGGGCAGGGAGGCCCGCAGAGGACCCGGACAGGAAGTCCCAG  
 CGAGGGAGCCCATGTATCAGCAGCCATGGCCAAGACCGTGAGGATGACACTGGTATTGTATTGTCTAC  
 GTGCTGTGCTGGGCACCCTTCTTCTTGTGCAGCTGTGGGCAGCGTGGGATCCAGAAGCTCCTCTGGAAA  
 GACCCCTTTGTGTGCTCATGCTGCTGGCTAGCCTTAACAGCTGTACCAACCCCTGGATCTATGCTTC  
 CTTCAGTAGCAGTGTCTCCTCGGAGTTGCGTAGCCTGCTTTGCTGTGCTCAGAGGCACACCACACACAGC  
 CTGGTCTCAAGATGAGTCTGTGCCACAGCCAGCTCCTCTCTGATGAAGGATACACCCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3124\\_g03.zip](https://cdn.origene.com/chromatograms/ja3124_g03.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_019404
<b>Insert Size:</b>	1116 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_019404.2</a> , <a href="#">NP_062277.1</a>
<b>RefSeq Size:</b>	1812 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	12000
<b>UniProt ID:</b>	<a href="#">O88721</a>
<b>Cytogenetics:</b>	X 37.46 cM
<b>Gene Summary:</b>	<p>This gene encodes a member of the G-protein coupled receptor 1 family and the vasopressin/oxytocin receptor subfamily. The encoded protein is an arginine vasopressin receptor which, when stimulated, activates the Gs protein/adenylyl cyclase signaling cascade and is involved in water and electrolyte homeostasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>