

## Product datasheet for **MC227097**

### Avpr2 (NM\_001276298) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Avpr2 (NM\_001276298) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Avpr2  
**Synonyms:** ADHR; DI; DI1; DIR; ND; ND1; V; V2R; VPV2R  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227097 representing NM\_001276298  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATCCTGGTGTCTACCAGTCTGTGCCTGGGGCCCTTCGTCCCCTAGCTCTCCAGCAACAGCAGCC  
 AGGAGGAGCTACTGGATACCGAGACCCGCTGTTAGTCCGGGCTGAAGTGGCCCTGCTATCTACAATTTT  
 TGTGGCTGTGGCCTTGTAGCAATGGCCTAGTGTCTGGGGCCCTAATACGACGGGTGGCGTGGACGCTGG  
 GCACCCATGCACGCTTTCATCAGTCATTTGTGCCTAGCTGACCTGGCTGTGGCTCTGTTTCAAGTCTGC  
 CCCAGCTGGCTTGGGATGCCACCGACCGCTTCCATGGCCCTGATGCCTTGTGCGGGCCGTCAAGTACCT  
 GCAGATGGTGGGCATGTATGCCTCTTCTACATGATCCTGGCCATGACACTAGACCGCCATCGCGCCATC  
 TGCCGCCCTATGCTGGCATACCGCCATGGAGGTGGGGCTCGTGGAACAGGCCAGTGTGGTGGCCTGGG  
 CCTTCTCACTCCTTCTCAGCCTGCCTCAGCTCTTCATCTTTGCTCAACGTGATGTGGAAATGGCAGTGG  
 GGTATTTGATTGCTGGGCCGATTTGCAGAGCCATGGGGCCTTCGTGCCTATGTCACCTGGATCGCCTTG  
 ATGGTGTGGTGGCACCTGCCCTAGGCATTGCTGCCTGCCAGTTCTTATCTTCCGGAGATACATGCCA  
 GTCTGGTGCCAGGGCCATCTGAAAGGGCAGGGAGGCCCGCAGAGGACACCGGACAGGAATCCCAGCGA  
 GGGAGCCCATGTATCAGCAGCCATGGCCAAGACCGTGAGGATGACACTGGACCCCTTTGTGTGCTCA  
 TGCTGCTGGCTAGCCTTAACAGCTGTACCAACCCTGGATCTATGCTTCTTCACTAGCAGTGTCTCCTC  
 GGAGTTGCGTAGCCTGCTTTGCTGTGCTCAGAGGCACACCACACAGCCTGGGTCTCAAGATGAGTCC  
 TGTGCCACAGCCAGCTCCTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001276298



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<b>Insert Size:</b>	1005 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001276298.1</a></u> , <u><a href="#">NP_001263227.1</a></u>
<b>RefSeq Size:</b>	1721 bp
<b>RefSeq ORF:</b>	1005 bp
<b>Locus ID:</b>	12000
<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 (2) uses an alternate splice site in the 3' coding region which results in a frameshift, compared to variant 1. The encoded isoform (b) is shorter and has a distinct C-terminus, compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>