

## Product datasheet for **RN202837**

### Avpr1a (NM\_053019) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Avpr1a (NM\_053019) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Avpr1a  
**Synonyms:** AVPR; V1a; V1aR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202837 representing NM\_053019  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGTTTCCCGGAGGCTCCAGGATCGGTCCGTGGCAACTCCAGCCCGTGGTGGCCTCTAACCACCG  
AGGGCTCCAACGGCAGTCAGGAGGCAGCCAGGCTTGGGAAGGTGACAGCCCGCTGGGGACGTACGCCAA  
TGAGGAGCTGGCCAAACTGGAAATCGCTGTGCTGGCAGTGATTTTGTGGTGGCTGTGCTGGGCAATAGC  
AGTGTGCTGTGGCGCTGCATCGCAGCCACGCAAGACATCCCGCATGCACCTCTTTATCCGACACCTCA  
GCCTGGCAGACCTGGCGGTGCCTTCTTCCAAGTATTACCGCAGCTATGCTGGGACATCACCTACCGCTT  
CCGCGGGCCGGACTGGCTGTGCCGCGTGGTGAAGCACCTGCAGGTGTTTGCCATGTTTCGCGTCTGCCTAT  
ATGCTGGTGGTGTGACAGCCGACCGCTACATCGCCGTGTGCCACCCGCTCAAGACCCTGCAGCAGCCGG  
CGCGCCGCTCGCGCCTCATGATCGCCACCTCTTGGGTGCTGAGTTTCATACTAAGCACGCCACAGTACTT  
TATATTCTCTGTGATCGAAATCGAGGTGAACAATGGCACTAAAACCCAAGACTGCTGGGCTACCTTCATC  
CAGCCCTGGGGTACCCGCGCCTACGTGACCTGGATGACCAGCGGTGTCTTCGTGGCACCTGTGGTCTGT  
TGGGTACATGCTATGGTTCATCTGCTACCACATCTGGCGCAACATCCGCGGAAAGACAGCGTCTCCGCG  
ACACAGCAAGGGTGACAAGGGCTCTGGGAGGCGTGGTCCCTTTCATAAGGGGCTTTTGGTTACACCT  
TGTGTCAGCAGCGTGAAGAGCATTTCGCCGCCAAGATCCGCACTGTGAAGATGACCTTTGTGATTGTAA  
GCGCCTACATCCTTTGCTGGGCGCCTTTCTTATTGTCCAGATGTGGTCACTCTGGGATGAGAAATTCAT  
CTGGACCGATTACAGAAAACCTTCCATCACAATCACGGCGTTGCTGGCTTCCCTGAACAGCTGCTGCAAC  
CCGTGGATATACATGTTTTTTCAGTGGCCATCTCCTGCAAGACTGCGTCCAAAGTTTCCCATGCTGCCACA  
GCATGGCGCAGAAATTCGCCAAGGATGACTCCGATAGCATGAGCCGAAGACAGACTTCTTATTCTAACAA  
CCGGAGCCCAACGAACAGCACTGGGATGTGAAGGACTCGCCAAATCTTCCAAATCCATCAGATTCAAT  
CCTGTCTCCACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_053019
<b>Insert Size:</b>	1275 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>	<u><a href="#">NM_053019.2</a></u> , <u><a href="#">NP_444178.2</a></u>
<b>RefSeq Size:</b>	1596 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	25107
<b>UniProt ID:</b>	<u><a href="#">P30560</a></u>
<b>Cytogenetics:</b>	7q22
<b>Gene Summary:</b>	This gene encodes a receptor for arginine vasopressin, a neurohypophyseal hormone involved in diuresis inhibition, smooth muscle contraction, liver glycogenolysis stimulation and regulation of adrenocorticotrophic hormone release from the pituitary. This receptor represents one of three G protein-coupled arginine vasopressin receptors which functions through a phosphatidylinositol-calcium second messenger system in vascular and hepatic tissues. [provided by RefSeq, Jul 2008]