

## Product datasheet for **MC206376**

### Avpr1a (BC024149) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Avpr1a (BC024149) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Avpr1a
Synonyms:	AVPR, V1a, V1aR, Avpr1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC024149  
CACGCGTCGGTTGGGTGTAGGGGACAGTCTCCAGCCACTAAGATGAGAAGGAGCGCATCCTGAGGCAGCC  
TAAGACTGCTTTGGGAGCAGGGAGAGTCCGCTCCCTTGCCTCGGACAAGCCGGAGCAGGGACACGCAAGA  
ACATCCCATCCAAAACCACTCTGAGCGCGGTGGGATTGCGCAGCGAAGAGAGCGAGGTAAGGAAGGACG  
GTGCGCAGAACTTAGGACGCGGGTCTTCGGGTCTCCGTGGAGAAGAGGAAGCAGCCACGAGGAACAGG  
GTTCCCGGGTCTGTGCCGACAGCATGAGTTTCCCGCAGGCTCCCACGATCTGCCCGCGGCAACTCCA  
GCCCGTGGTGGCCTTGACCACCGAGGGCGCAACAGCAGCCGGGAAGCAGCTGGGCTCGGGGAAGGCGG  
CAGCCCGCGGGGACGTACGCAACGAGGAGCTGGCGAAGCTGGAGGTTACCGTGTGGCGTGATTTTC  
GTGGTGGCCGTGCTGGGTAATAGCAGTGTGCTGTGGCGTGCATCGCACGCCACGCAAGACATCCCGCA  
TGCATCTTTCATCCGACACCTCAGCCTGGCAGACCTGGCGGTGCCTTCTTCCAAGTGTACCACAGCT  
GTGCTGGGACATCACCTACCGCTTCCGCGGGCCGGACTGGCTGTGCCGGTGGTGAAGCACTTGCAGGTG  
TTTGCCATGTTCCGATCTTCTACATGCTGGTGGTGTGACGGCTGACCGCTACATCGCCGTGTGCCACC  
CGCTCAAGACCCTGCAGCAGCCCGCGCCGCTCGCGCCTCATGATCGCCGCTCTTGGGGCTGAGTTT  
CGTTCTGAGCATACCACAGTACTTATCTTCTCTGTGATCGAATTTGAGGTGAACAATGGCACAAAGCC  
CAAGATTGCTGGGCTACCTTCATCCCGCCTGGGGTACCGTGCCTACGTGACCTGGATGACCAGCGGGG  
TCTTCGTGGTACCGTGATCATCTTGGGTACCTGCTATGGCTTCATCTGTACCACATCTGGCGCAATGT  
CCGAGGGAAGACAGCATCGCGACAGAGCAAGGCGGCAAGGGCTCTGGGGAAGCCGCGGGTCCCTCCAC  
AAGGGCTTCTGGTACGCCTTGTGTCAGCAGCGTGAAGAGCATTTCCCGTGCCAAGATCCGCACAGTGA  
AGATGACCTTTGTGATTGAAGCGCCTACATCCTCTGCTGGACACCTTTCTTCATCGTCCAGATGTGGTC  
AGTCTGGGATACCAATTCGTTTGGACCGATTCCGAAAACCTTCCACCAGATCACGGCGTTACTGGCT  
TCCTTGAACAGCTGCTGCAACCCGTGGATCTACATGTTTTTGTGGTGTGATCTCTACAAGATTGTGTC  
ACAGACTCTTATTCTAACAAACCGAAGCCCAACAACAGCACTGGGACGTGGAAGGATTACCTAAATCT  
TCAAAGTCCATCAGATTTATCCCTGTCTCCACTTGAGCCGCATATCCACGACGCCAGACTCTTGGACGGG  
GCTTGTGTGCCAGCTAGAGAGCTTAAGAGTAAATATGTTTTATGTGACATAGACATAAATCAACTCAGTG  
TATACATTGTTTTACAACCTTGGTGTATACATTGTTTCTACAATTCAGTGTATACATTGTTTCTAGCTGT  
GTTTTTCCATTGCTGTGACCAAAACCTGAATCTTTTGCATAGCATATTAATGAAAATGTACCACATGG  
GAAATGTATAGGCCTGGTTCGTAAGCATACTGACTTTATATTTTGTGGTGTGTTTTTTTATTGTATTT  
TTATGTCTAATGTGAGGCTTGGATTGGTTAAGTCATGTGATAAGCACTGTTGTTTCTACACAAAGTGAA  
CTGGTCCGTGATTGAAAACCCAGTGTGCTGTCAATCTGTGTGCATAAAATGTCAGCAAGAGGTAGAGA  
GGAGTTGGGTTGAGGTTGGAAGGAGGTAGCTTGGTACCTGGCTGCCCTTCTTACAGAGTCTGACTC  
TATTAGCACTGAAAATCATGCTACCAACAGACAGAAGGTTTGAAGTGTGTTTAGACAATAATTTGTAT  
GGGGGGGGGGTGGCACACTTTATAGAGGCATAAGAGAAAAGATTTCTACAGACATTCTTTGGGATATTTT  
AAACATCCATGGACCAGCACCATAAGGTAGTCTGTGCTACACCAGATGTTAACACTTAGTACCTAGTCGG  
TGAATCCAGATTGAGAGATTCTAAGTCTCCTAGATAACTCCAGACATAAGATACTCAAAACATGTTGATT  
TAAATCAGTTTTATTTATTTTCCATTTCCATCCACACAGCAGGGCCAGAACACAGAGGGTGAAGACA  
TGTGGAGAAACGGGAGACAGACAGAAAGAGAGGGGGTCTGAGCCTTGTGTCTGTTTCTCATGAATGTA  
TGATTTTCAGAAAAGATACTTAAAAATATTTAAAGCCTTGGTTTCTTGGCTGTACAATGGGCTTGGTAACA  
CTCACCTCACAGGTTGTTGTGAAGATTAATAATGTTAAATGTGTGAAGAGTATTTTTAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC024149

**Insert Size:** 1272 bp

**OTI Disclaimer:** 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="#">BC024149</a></u> , <u><a href="#">AAH24149</a></u>
<b>RefSeq Size:</b>	2686 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	54140
<b>Cytogenetics:</b>	10 D2
<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]