

Product datasheet for **MR206737**

Avpr1a (NM_016847) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Avpr1a (NM_016847) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Avpr1a
Synonyms:	AVPR; Avpr1; V; V1a; V1aR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR206737 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTTCCCGGAGGCTCCCACGATCTGCCCGGGCAACTCCAGCCGTGGTGGCCTCTGACCACCG
 AGGGCGCCAACAGCAGCCGGGAAGCAGCTGGGCTCGGGGAAGGCGCAGCCCGCGGGGACGTACGCAA
 CGAGGAGCTGGCGAAGCTGGAGGTTACCGTGTGGCGGTGATTTTCGTGGTGGCCGTGCTGGGTAATAGC
 AGTGTGCTGTGGCGCTGCATCGCACGCCACGCAAGACATCCCGCATGCATCTTTCATCCGACACCTCA
 GCCTGGCAGACCTGGCGGTGCCTTCTTCCAAGTGTACCACAGCTGTGCTGGGACATCACCTACCGCTT
 CCGCGGGCCGACTGGCTGTGCCGGTGGTGAAGCACTTCAGGTGTTTGCATGTTTCGCATCTTCTAC
 ATGCTGGTGGTGTGACGGCTGACCGCTACATCGCCGTGTCCACCCGCTCAAGACCCTGCAGCAGCCCG
 CGCGCCGCTCGCGCCTCATGATCGCCGCTCTTGGGGGCTGAGTTTCGTTCTGAGCATACCACGTA
 TATCTTCTGTGATCGAATTTGAGGTGAACAATGGCACCAAGCCCAAGATTGCTGGGCTACCTTCATC
 CGCCCTGGGGTACCCGTGCCTACGTGACTGGATGACCAAGCGGGTCTTCGTGGTACCCGTGATCATCT
 TGGGTACCTGCTATGGTTCATCTGTTACCACATCTGGCGCAATGTCGAGGGAAGACAGCATCGCGACA
 GAGCAAAGGCGGCAAGGGCTCTGGGGAAGCCGCGGGTCCCTTCCACAAGGGGCTTCTGGTACGCGCTTGT
 GTCAGCAGCGTGAAGAGCATTCCCGTGCCAAGATCCGCACAGTGAAGATGACCTTTGTGATTGTAAGCG
 CCTACATCCTCTGCTGGACACCTTCTTTCATCGTCCAGATGTGGTCAGTCTGGGATACCAATTCGTTTG
 GACCGATTCCGAAAACCTTCCACCAGATCACGGCGTTACTGGCTTCTTGAACAGCTGCTGCAACCCG
 TGGATCTACATGTTTTTAGTGGTCACTCCTACAAGATTGTGTCCAGAGCTTCCCATGCTGCCAAAGCA
 TAGCGCAGAAATTCGCCAAGGATGACTCGGATAGCATGAGCCGGAGACAGACATCTTATTCTAACAAACCG
 AAGCCCAACAAACAGCACTGGGACGTGGAAGGATTCACCTAAATCTTCAAAGTCCATCAGATTTATCCCT
 GTCTCCACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206737 protein sequence
 Red=Cloning site Green=Tags(s)

MSFPRGSHDLPAGNSSPWPLTTEGANSREAAAGLGEAGSPPGDVNEELAKLEVTVLAVIFVAVLGN
 SVLLALHRTPRKTSRMHLFIRHLSLADLVAFFQVLPQLCWDITYRFRGPDWLCRVVKKHLQVFAMFASSY
 MLVVMTADRYIAVCHPLKTLQQPARRSRLMIAASWGLSFVLSIPQYFIFSVIEFEVNNGTAKQDCWATFI
 PPWGTRAYVTWMTSGVFVVPVILGTCTYGFICYHIWRNVRGKTASRQSKGGKGSGEAAGPFHKGLLVTPC
 VSSVKISIRAKIRTVMKTFVIVSAYILCWTPFFIVQMWSVWDTNFWTDSNPSTTITALLASLNSCCNP
 WIYMFSGHLLQDCVQSFPCQSIQKFAKDDSDSMSRRQTSYNNRSPNTSTGTWKDSPKSSKIRFIP
 VST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_016847

ORF Size: 1272 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

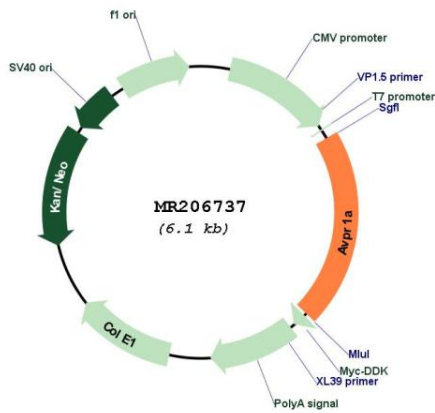
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 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.

RefSeq: [NM_016847.2](#), [NP_058543.2](#)

RefSeq Size: 2671 bp
 RefSeq ORF: 1272 bp
 Locus ID: 54140
 UniProt ID: [Q62463](#)
 Cytogenetics: 10 D2
 MW: 47.2 kDa

Gene Summary: 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]

Product images:



Circular map for MR206737