

Product datasheet for **MC202013**

Avp (NM_009732) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Avp (NM_009732) Mouse Untagged Clone
Tag: Tag Free
Symbol: Avp
Synonyms: Vp; Vsp
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC051997 sequence for NM_009732
ACAGTGCCACCTATGCTCGCCAGGATGCTCAACTACGCTCTCCGCTTGTTCCTGAGCCTGCTGGCC
TTCTCCTCCGCTGCTACTTCCAGAACTGCCAAGAGGGCCATCTCTGACATGGAGCTGA
GACAGTGTCTCCCTGCGGCCCGGGCGGCAAAGGACGCTGCTTCGGACCAAGCATCTGCTGCGCGGACGA
GCTGGGCTGCTTCGTGGGCACCGCCGAGGCGCTGCGCTGCCAGGAGGAGAACTACCTGCCCTCGCCCTGC
CAGTCCGGCCAGAAGCCCTGCGGGAGCGGGGGCCGCTGCGCCCGCTGGGCATCTGCTGCAGCGACGAGA
GCTGCGTGGCCGAGCCCGAGTGCACGACGGTTTTTTCCGCCACCCCGCTCGGGAGCCAAGCAACGC
CACACAGCTGGACGGCCCTGCTCGGGCGCTGCTAAGGCTGGTACAGCTGGTGGGACACGGGAGTCC
GTGGATTCTGCCAAGCCCGGTCTACTGAGCCATCGCCCCACGCTCGCCCCTACAGCATGGAAAATA
AACTTTTAAAAACTGCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_009732

Insert Size: 507 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).

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).



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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: [BC051997](#), [AAH51997](#)

RefSeq Size: 597 bp

RefSeq ORF: 507 bp

Locus ID: 11998

UniProt ID: [P35455](#)

Cytogenetics: 2 63.24 cM

Gene Summary: This gene encodes a member of the vasopressin/oxytocin family and preproprotein that is proteolytically processed to generate multiple protein products. These products include the neuropeptide hormone arginine vasopressin, and two other peptides, neurophysin 2 and copeptin. Arginine vasopressin binds to vasopressin receptors and functions as a vasopressor, to constrict blood vessels and increase blood pressure, and as an antidiuretic, to reduce the production of urine. Neurophysin 2 functions as a carrier protein in the transport of arginine vasopressin. This gene is present in a gene cluster with the related gene oxytocin on chromosome 2. [provided by RefSeq, Aug 2015]