

Product datasheet for **MG201383**

Avp (NM_009732) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Avp (NM_009732) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Avp
Synonyms: Vp; Vsp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201383 representing NM_009732
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCGCCAGGATGCTCAACACTACGCTCTCCGCTTGTTCCTGAGCCTGCTGGCCTTCTCCTCCGCT
GCTACTCCAGAAGTCCCAAGAGGCGGCAAGAGGGCCATCTCTGACATGGAGCTGAGACAGTGTCTCCC
CTGCGGCCCGGGCGCAAAGGACGCTGCTTCGGACCAAGCATCTGCTGCGCGGACGAGCTGGGCTGCTTC
GTGGGCACCGCCGAGGCGCTGCGCTGCCAGGAGGAGAAGTACCTGCCCTCGCCCTGCCAGTCCGGCCAGA
AGCCCTGCGGGAGCGGGGCGCTGCGCCGCCGTGGGCATCTGCTGCAGCGACGAGAGCTGCGTGGCCGA
GCCCGAGTGCCACGACGGTTTTTTCCGCTCACCCGCGCTCGGGAGCCAAGCAACGCCACACAGCTGGAC
GGCCCTGCTCGGGCGCTGCTGTAAGGCTGGTACAGCTGGCTGGGACACGGGAGTCCGTGGATTCTGCCA
AGCCCCGGGTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201383 representing NM_009732
Red=Cloning site Green=Tags(s)

MLARMLNTTLSACFLSLLAFSSACYFQNCPRGGKRAISDMELRQCLPCGPGGKGRFCGPSICCADELGCF
VGTAEALRCQEENYLPSPCQSGQKPCGSGGRCAAVGICCSDESCVAEPECHDGFRLTRAREPSNATQLD
GPARALLLRLVQLAGTRESVDSAPRVY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_009732.2</u>
RefSeq Size:	507 bp
RefSeq ORF:	507 bp
Locus ID:	11998
UniProt ID:	<u>P35455</u>
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]