

## **Product datasheet for RR211162**

## Avp (NM 016992) Rat Tagged ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Avp (NM\_016992) Rat Tagged ORF Clone

Tag: Myc-DDK

**Symbol:** Avp

Synonyms: DI; Vas; VP Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RR211162 representing NM\_016992

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

AGCCCCGGGTCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211162 representing NM\_016992

Red=Cloning site Green=Tags(s)

MLAMMLNTTLSACFLSLLALTSACYFQNCPRGGKRATSDMELRQCLPCGPGGKGRCFGPSICCADELGCFLGTAEALRCQEENYLPSPCQSGGKPCGSGGRCAAAGICCSDESCVAEPECREGFFRLTRAREQSNATQLD

GPARELLLRLVQLAGTQESVDSAKPRVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/ja2312">https://cdn.origene.com/chromatograms/ja2312</a> g07.zip



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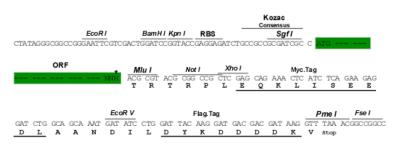
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**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 



<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_016992

ORF Size: 504 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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <u>More info</u>

**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: <u>NM 016992.2</u>, <u>NP 058688.2</u>

 RefSeq Size:
 585 bp

 RefSeq ORF:
 507 bp

 Locus ID:
 24221

 UniProt ID:
 P01186

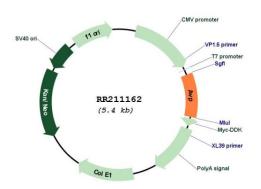
 Cytogenetics:
 3q36

 MW:
 18.4 kDa

**Gene Summary:** neuropeptide hormone; involved in vasoconstriction to regulate blood pressure and smooth

muscle contraction during parturition and lactation [RGD, Feb 2006]

## **Product images:**



Circular map for RR211162