

## Product datasheet for **MG217375**

### Avpr1b (NM\_011924) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Avpr1b (NM_011924) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Avpr1b
Synonyms:	AVPR3; V3/V1b; VIBR; VPR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217375 representing NM_011924 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTCTGAGCCTTCTTGACTGCTACCCCTCCCCTGGGGCACCCTGTTTGTCCCAATACCACCA  
CACCTGGCTGGGTAGGGATGAAGAGCTAGCCAAGGTGAAATTTGGTATCCTAGCTACTGCTGCTGTTCT  
GGCCACAGGAGGCAACCTGGCTGTACTACTGATTCTGGGCTCCAGGGCCATAAGCGCTCCCGCATGCAT  
CTGTTCTGCTGCACTTGGCCCTGACCGACTGGGCGTGGCGCTTTCCAGGTAAGTCTGCTCAGCTGCTCT  
GGGACATCACCTATCGCTTCCAGGGCTCTGACCTCCTCTGCCGGCTGTCAAATATCTACAGGTGCTCAG  
CATGTTTGTCTTCACTTACATGCTGCTGGCCATGACGCTGGACCGGTACCTGGCTGTCTGTACCCTCTT  
CGAAGCTCCAGCAGCCAGCCAGTCCACCTACCTCTTATTGCTGCTCCCTGGCTGCTGGCTGCCATCC  
TCAGCCTCCCTCAAGTGTTCATTTTTCTGTTGCGAGAGGTGATCCAGGGCTCAGGGGTGCTGGACTGCTG  
GGCAGATTTCTACTTTTCTGGGGCCCGGGCCATACATCACCTGGACCACCATGGCCATCTTTGTGCTG  
CCCGTGGTGGTGTCTCACAGCTTGTATGGCCTCATCTGCCACGAGATCTACAAGAAGCTGAAAGTCAAGA  
CACAGGCTGGCAGGGAGGAAAGAAGGGGCTGGCCAAAGTCTCATCTTCTGCCGTGCTGCAGCCACTAG  
GGGGTCCCGTCCCGGTCCAGCAGCATCAGTACCATCTCCAGGGCAAAGATCCGAACCGTGAAGATGACC  
TTTGTATTGTGCTGGCCTACATTGCTTGGTGGCACCTTTCTTCAGTGTCCAGATGTTGGTCTGTGTGGG  
ACGAGAAATGCCCTAATGAAGATTCTACCAATGTGGCTTTACCATCTCGATGCTTCTGGCAACCTCAG  
CAGCTGCTGCAACCCCTGGATCTATATGGGCTTCAACAGCCACCTGTTGCCACGTTCCCTGAGTACCCGC  
GCCTGCTGCAGGGGTTCCAAGCCCCGAGTGCACAGGCAGCTCTCAACAGCAGCCTCGTAGCCGCCGCA  
CAACTGCTGACCCACACCTGTGGTCCATCTACTCTCCGTCTTAGCCTTAACCTCAGCCTCCATGCAAA  
GCCTAAGCCTGCGGGCTCGTGAAGATTTGGAGCAGGTGGATGGAGAAGCCACTATGGAGACCAGCATC  
TCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217375 representing NM\_011924  
Red=Cloning site Green=Tags(s)

MDSEPSWTATPSPGGTLFVPNTTTPWLGRDEELAKVEIGILATVLVLATGGNLAVLLILGLQGHRSMH  
 LFVLHLALTDLGVLFQVLPQLLDITYRFQGSDLLCRAVKYLQVLSMFASTYMLLAMTLDRYLAVCHPL  
 RSLQQPSQSTYPLIAAPWLLAAILSLPQVFIKSLREVIQSGVLDCAWDFYFSWGPRAYITWTTMAIFVL  
 PVVVL TACYGLICHEIYKLNKVKTKQAGREERRGWPKSSSSAAAAATRGLPSRVSSIISRKIRTVKMT  
 FVIVLAYIACWAPFFSVQMWSVWDENAPNEDSTNVAFTISMLLGNLSCCNPWIYMGFNHLLPRLSHR  
 ACCRGSKPRVHRQLSNSLSASRRRTLLTHTCGPSTLRLSLNLSLHAKPKPAGSLKDLEQVDGEATMETSIS

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_011924

**ORF Size:** 1263 bp

**OTI Disclaimer:** 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\\_011924.2](#), [NP\\_036054.1](#)

**RefSeq Size:** 4148 bp

**RefSeq ORF:** 1266 bp

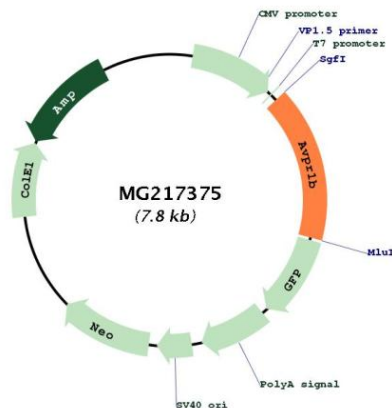
**Locus ID:** 26361

**UniProt ID:** [Q9WU02](#)

**Cytogenetics:** 1 E4

**Gene Summary:** Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidyl-inositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG217375