

## Product datasheet for **SC128112**

### Vasopressin V1b receptor (AVPR1B) (NM\_000707) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vasopressin V1b receptor (AVPR1B) (NM\_000707) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Vasopressin V1b receptor  
**Synonyms:** AVPR3; V1bR  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_000707 edited  
 ATGGATTCTGGCCTCTGTGGGATGCCAACCCACCCCTCGGGGCACCCTCTCTGCCCC  
 AATGCCACAACACCCTGGCTGGCCGGGATGAGGAGCTGGCCAAGGTGGAGATCGGAGT  
 CTGGCCACTGTCTGGTCTGGCGACCGGGGCAACCTGGCTGTCTGCTGACCCCTGGG  
 CAGCTGGCCCGCAAGCGCTCCCGCATGCACCTGTTCTGTCTGCACTTAGCCCTGACAGAC  
 CTGGCCGTGGCGCTTCCAGGTGCTGCCACAGCTGCTGTGGACATCACCTACCGCTTC  
 CAGGGCCCGACCTCCTGTGCAGGGCCGTCAGTACCTGCAGGTGCTCAGCATGTTTGC  
 TCCACCTACATGCTGCTGGCCATGACGCTGGACCGCTACCTGGCTGTCTGTACCCCTG  
 CGCAGCTCCAGCAGCCAGGCCAGTCCACCTACCTGCTCATCGCTGCTCCCTGGTGCTG  
 GCCGCCATCTTCAGCCTCCCTCAAGTCTTCATTTTTTCCCTGCGGGAGGTGATCCAGGG  
 TCAGGGGTGCTGGACTGCTGGGCAGACTTCGGCTTCCCTTGGGGCCACGGGCCTACCT  
 ACCTGGACCACCCTGGCTATCTTCGTTCTGCCGTTGACCATGCTCACGGCCTGCTACAGC  
 TCATCTGCCATGAGATCTGTAAAAACCTAAAAGTCAAGACACAGGCCTGGCGGGTGGGA  
 GGAGGGGGCTGGAGGACTTGGGACAGGCCCTCACCTTCCACCTTAGTGGCCACCACTCGG  
 GGG: CTGCCATCTCGGGTCAAGCAGCATCAACACCATCTCACGGG: CCAAGATCCGAACAG  
 TGAAGATGACCTTT: GTCATCGTGTGGCTACATCGCTTGTGGGCTCCCTTCTTCACT  
 GTCCAGATGTGGTCCGTGTGGGACAAGAATGCCCTGATGAAGATTCCACCAATGTGGCT  
 TTCACCATCTCTATGCTTTTGGGCAACCTCAACAGCTGCTGCAA: CCCCTGGATCTACAT  
 :GGGCTTCAACAGCCACCTGTTACCGCGGCCCTGCGTACCTTGCTGCTGTGGGGGTC  
 CCCAGCCAGGATGCGCCGGCGGCTCT: CCGACGGCAGCCTCTCGAGCCGCCACACCAG  
 CTGCTGACCCGCTCCAGCTGCCCGGCCACCCTCAGCCTCAGCCTCAGCCTAACCCCTCAGT  
 GGGAGGCCAGGCTGAAGAGTCAACAGGGACTTGGAGCTGGCAGATGGGGAAGGCACC  
 GCTGAGACCATCATCTTTTAGGAAAGACTCGCTGGGGTCTGG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_000707



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<b>Insert Size:</b>	1300 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_000707.2</a></u> , <u><a href="#">NP_000698.1</a></u>
<b>RefSeq Size:</b>	2273 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	553
<b>UniProt ID:</b>	<u><a href="#">P47901</a></u>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction
<b>Gene Summary:</b>	The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1A, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor is primarily located in the anterior pituitary, where it stimulates ACTH release. It is expressed at high levels in ACTH-secreting pituitary adenomas as well as in bronchial carcinoids responsible for the ectopic ACTH syndrome. A spliced antisense transcript of this gene has been reported but its function is not known. [provided by RefSeq, Jul 2008]