

Product datasheet for RC215919L1

OriGene Technologies, Inc.

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Vasopressin V1b receptor (AVPR1B) (NM_000707) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Vasopressin V1b receptor (AVPR1B) (NM_000707) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Vasopressin V1b receptor

Synonyms: AVPR3; V1bR

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215919).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_000707

ORF Size: 1272 bp



Vasopressin V1b receptor (AVPR1B) (NM_000707) Human Tagged Lenti ORF Clone - RC215919L1

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: <u>NM 000707.2</u>

RefSeq Size:2273 bpRefSeq ORF:1275 bp

Locus ID: 553
UniProt ID: <u>P47901</u>

Cytogenetics: 1q32.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle

contraction

MW: 46.8 kDa

Gene Summary: The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor

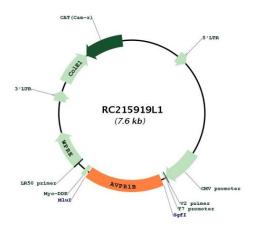
belongs to the subfamily of G-protein coupled receptors which includes AVPR1A, V2R and OXT

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.

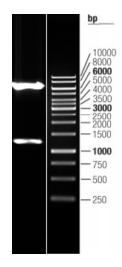
[provided by RefSeq, Jul 2008]



Product images:



Circular map for RC215919L1



Double digestion of RC215919L1 using Sgfl and Mlul $\,$