

Specifications:

Gene:	hAVPR1B
Accession:	NP_000698
Insert size:	1288bp
Concentration:	10µg at 0.2µg/µL

hAVPR1B cDNA Plasmid

AVPR1B arginine vasopressin receptor 1B [*Homo sapiens*]

Also known as: AVPR3

Summary:

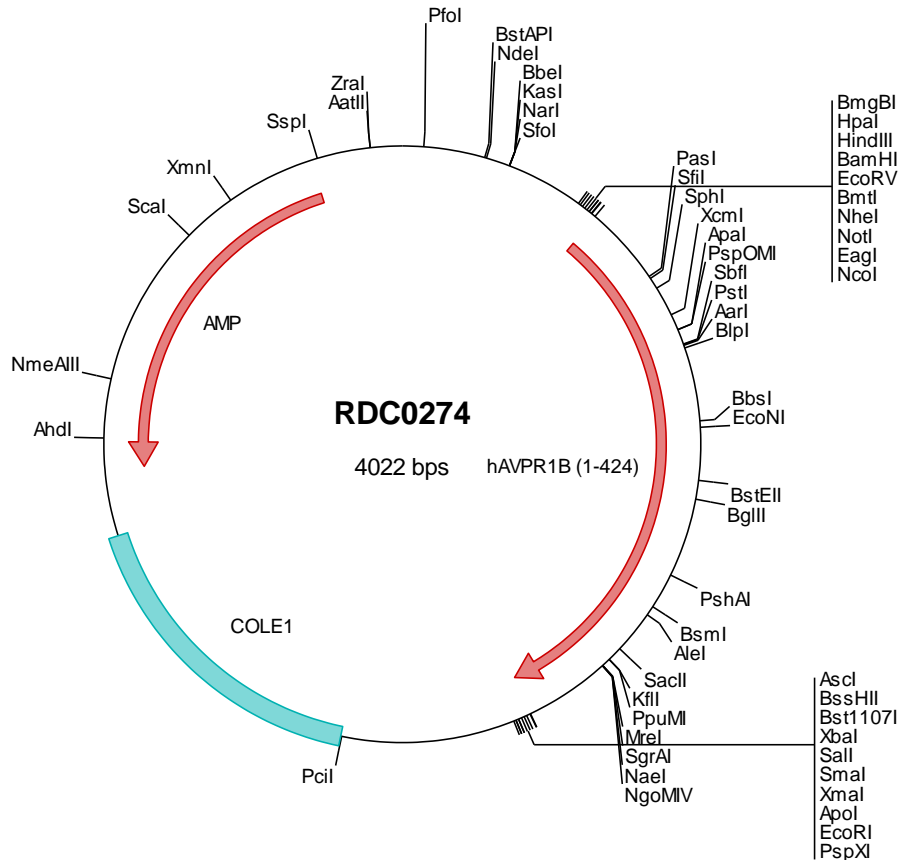
AVPR1B acts as a receptor for arginine vasopressin. AVPR1B belongs to the subfamily of G protein-coupled receptors which includes AVPR1A, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. AVPR1B is primarily located in the anterior pituitary, where it stimulates ACTH release. AVPR1B is expressed at high levels in ACTH-secreting pituitary adenomas as well as in bronchial carcinoids responsible for the ectopic ACTH syndrome.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0274 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggccgcaacc atggattctg ggctctgtg ggatgccaac cccaccctc ggggcaacct
501 ctctgcccc aatgccacaa caccctggct gggccgggat gaggagctgg ccaagtgga gatcggagtc ctggccactg tctgtgtgct ggcgaccggg
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701 cgctcttcca ggtgctgcca cagctgctgt gggacatcac ctaccgcttc caggggcccc acctcctgtg caggggcgtc aagtacctgc aggtgctcag
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1701 caccgctgag accatcatct tttaaaggcg cggcagatata ctctagagtc gacaccggg gaattcctcg agcgtctgct tctagcttg cgtaatcatg
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2101 aatacggtta tccacagaat caggggataa cgcagaaaag aacatgtgag caaaaggcca gcaaaaaggcc aggaaccgta aaaaggccgc gttgctggcg
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2501 aactatctc ttgagtccaa cccgtaaga cagacttat cgccactggc agcagccact ggtaacagga ttagcagagc gaggatgta ggcggtgcta
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3901 gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaaccatt attatcatga cattaacctc taaaaatagg
4001 cgtatcacga ggcctttctg tc

> RDC0274 Translated Insert Sequence

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201 twttlaifvl pvtmltacys licheicknl kvktqarvrg gggwrtwdrp spstlaattr glpsrvssin tisirakirtv kmtfvivlay iacwapffsv
301 qmwsvwdkna pdedstnaf tismllgnln scncpwiymg fnshllprpl rhlacccgpp prmrllsdg slssrhtll trsscpatls lslsltlslr
401 prpeesprdl eladegtae tiif