

Specifications:

Gene:	rAVPR1B
Accession:	NP_058901
Insert size:	1277bp
Concentration:	10µg at 0.2µg/µL

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

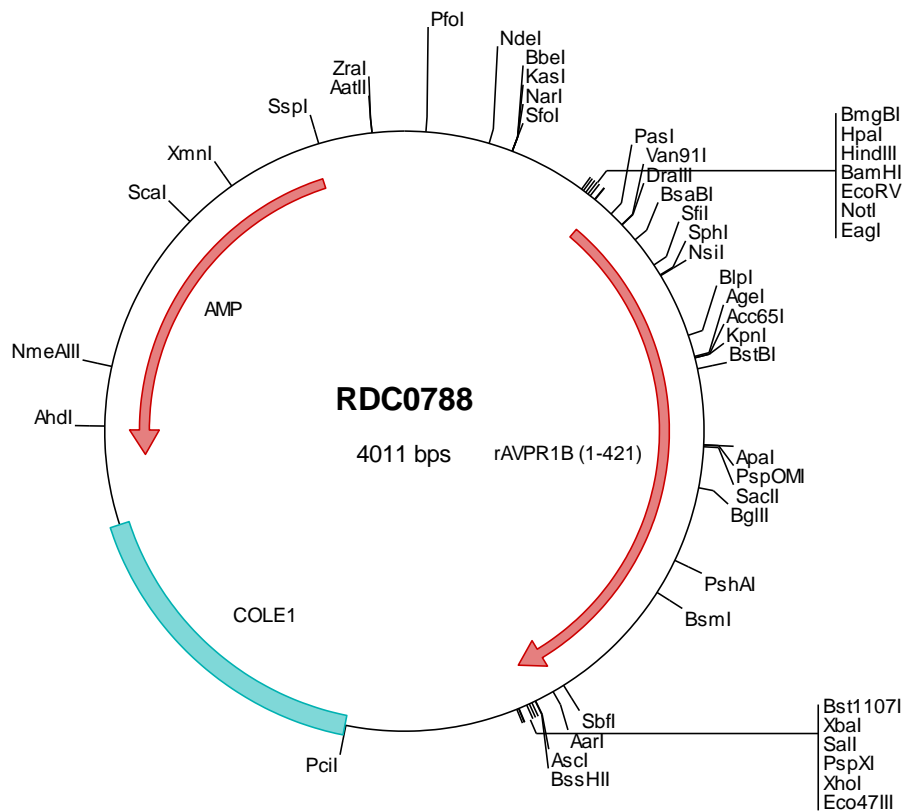
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

rAVPR1B cDNA Plasmid

Avpr1b arginine vasopressin receptor 1B [*Rattus norvegicus* (Norway rat)]

Summary:

Arginine-vasopressin (AVP) is thought to mediate anxiety-related behavior through two central receptor subtypes, AVPR1A and AVPR1B. Vasopressin and oxytocin are considered to be related to gastric functions and the regulation of stress response. AVPR1B is a receptor for vasopressin and may play a role in the regulation of cerebrospinal fluid hydration. It also plays a significant role in vasopressin's modulation of social behavior.





> RDC0788 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcacgcggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggcc tcttcctat
301 tacgccagct ggcgaaagg gtagtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt gtagccgata tcgctagcgc gggcgcacc atgaattctg agccttcttg gactgccacc cctcccctg ggggaccct
501 gcoctgtccc aatgctacca cacctggct aggtaggat gaagagctag ccaaggtgga gatcgtatc ctactactg tctgtgtct ggccacagga
601 ggcaacctgg ctgtactctt gactctgggc cgcattggcc acaagccgtc ccgcatgcat ctgttctgtc tgcacttggc cctgaccgac ctggcgctgg
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1801 ttcctgtgtg aaattgttat ccgctcaca tccacacaaa catacagacc ggaagcataa agtgaagaac ctgggggtgc taatgagtga gctaactcac
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2001 attggcgctt ctccgcttc ctgcctcact gactcgctgc gctcggtcgt tccgctgcgg cgagcggatc cagctcactc aaaggcggta atacggttat
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2701 ccggcaaaaca aaccaccgct ggtagcgggt gttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatctttt
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3701 ctgatcttca gcatcttita ctttaccag cgtttctggg tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taaggcgac acgaaactgt
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3901 aataggggt tccgcgcaca tttcccggaa aagtgccacc tgacgtctaa gaaaccatta ttatcatgac ataacctat aaaaataggc gtatcagag
4001 gccctttcgt c

> RDC0788 Translated Insert Sequence

1 mnsepswtat pspggtlpvp nattpwlgrd eelakveigi latvlvlatg gnlavlltlg rhghkpsrmh lfvhlhald lgvalfvqlp qlldwityrf
101 qgsdllcrav kylqvlsmfa stymllamtl drylavchpl rslrpsqst ypliaapwll aailslpqvf ifslreviqg sgvlcdwadf yfswgprayi
201 twttmaifvl pvavltacyg licheiyknl kvktqagree rrgwrtwdks ssaatrplp srvsistis rakirtvkmt fvivlayiac wapffsvqmw
301 svwdenapne dstnvaftis mllgnlsscc npwiymfns rllprslshh acctgskpqv hrqlstsslt srtrtlltha cgsptlrlsl nlsrakprp
401 agslkdleqv dgeatmetsi f