*m*VIPR2 VersaClone cDNA

Catalog Number: RDC3787

Specifications:

Gene:	*m*Vipr2
Accession:	NP_033537.1
Insert size:	1327bp
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

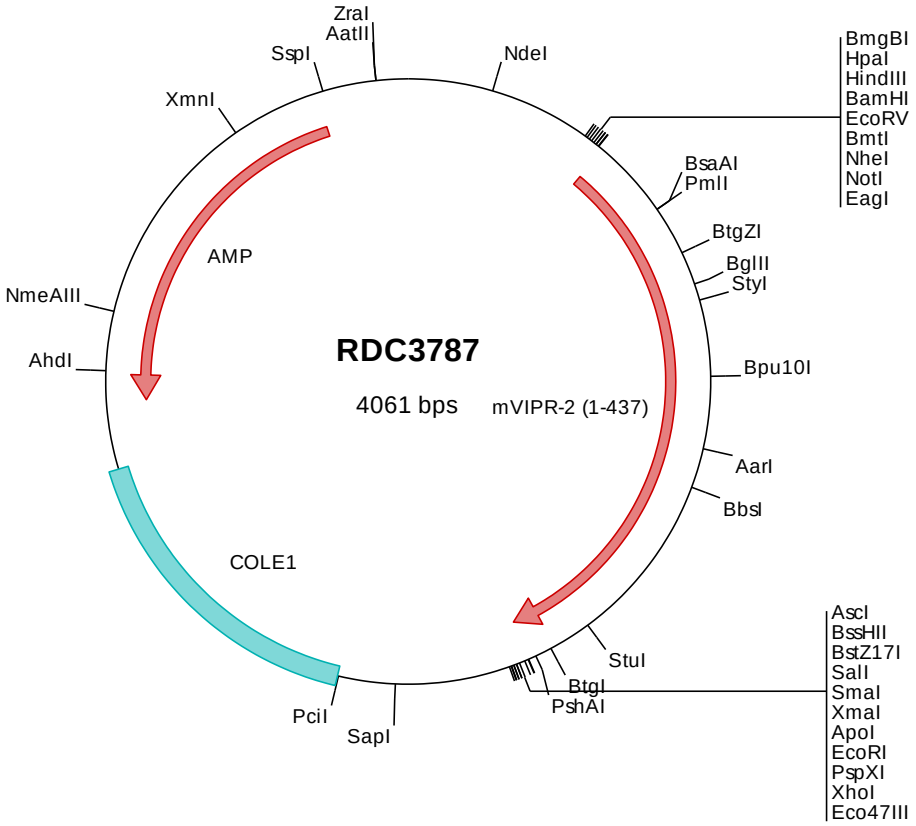
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*VIPR2 cDNA Plasmid

Vipr2 vasoactive intestinal peptide receptor 2 [*Mus musculus* (house mouse)]

Also known as: VPAC2; SCZD16; VPAC2R; VIP-R-2; VPCAP2R; PACAP-R3; PACAP-R-3

Summary:
VIPR2 belongs to the G protein-coupled receptor 2 family. It is a receptor for vasoactive intestinal peptide (VIP) as well as PACAP-38 and -27. It is expressed in CD4+ T-cells, but not in CD8+ T-cells. VIP is involved in smooth muscle relaxation, exocrine and endocrine secretion, and water and ion flux in lung and intestinal epithelia. Its actions are affected through integral membrane receptors associated with a guanine nucleotide binding protein which activates adenylate cyclase and can be coupled to phospholipase C.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3787 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgagggcgt cggtggtgct gacctgctac tgctggttgc tggtgcgggt
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 601  tgcagcggtg tctgggacaa catcacgtgc tggcgcccgg cagacgttgg ggaaaccgtc acagtgccct gccccaaagt gttcagcaat ttctacagca
 701  gaccaggaaa cataagcaaa aactgcacta gcgatggatg gtcagagaca tttccagatt tcatagatgc gtgtggctac aacgaccccg aggatgagag
 801  taagatctcg ttttatattt tggtgaaggc catttatacc ttgggctaca gtgtttctct gatgtctctt acaacaggaa gcataattat ctgcctcttc
 901  aggaagctgc actgcacaag gaactacatc cacctaaacc tcttcctctc cttcatgctg agagccatct ctgtgctggt caaggacagc gtgctctact
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1801  aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa catacgagcc
1901  ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac tgcccgcttt ccagtcggga aacctgtcgt
2001  gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc ctcgctcact gactcgctgc gctcggtcgt
2101  tcggctgcgg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaga acatgtgagc aaaaggccag
2201  caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca agtcagaggt
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3001  ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc tgtctatttc gttcatccat agttgcctga ctccccgtcg tgtagataac tacgatacgg
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> RDC3787 Translated Insert Sequence

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