

Specifications:

Gene:	<i>hADCYAP1R1</i>
Accession:	NP_001109
Insert size:	1420bp
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.

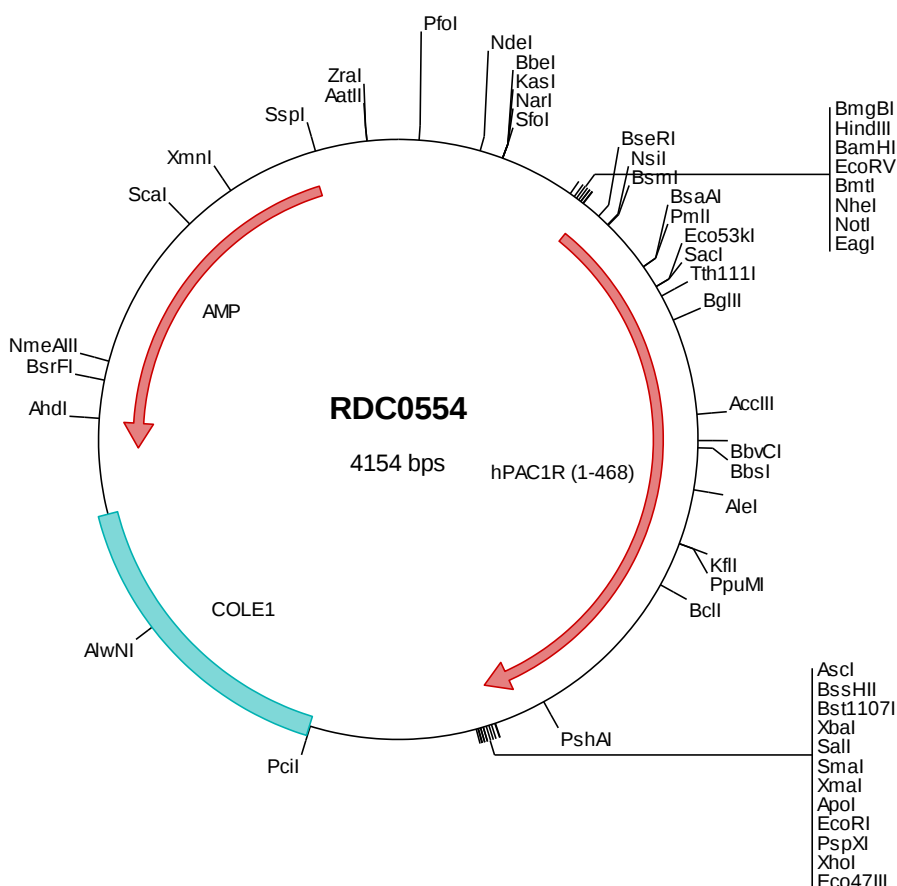
***hPAC1* Receptor cDNA Plasmid**

ADCYAP1R1 adenylylate cyclase
activating polypeptide 1
(pituitary) receptor type I
[*Homo sapiens*]

Also known as: PAC1; PAC1R; PACAPR; PACAPRI

Summary:

PAC1 receptor is a type I adenylate cyclase activating polypeptide, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. PAC1 receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase. Multiple alternatively spliced transcript variants encoding distinct proteins have been identified.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0554 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caagcgattt aagtgggta acgccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
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701  tcaaacccaga ccaagtctgg gagaccgaaa ccatgggaga gtctgatttt ggtgacagta actccttaga tctctcagac atgggagttg tgagccgaaa
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> RDC0554 Translated Insert Sequence

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201  isvfikdwil yaeqdsnhcf istveckavm vffhycvvn yfwlfiegly lftllvetff perryfywyt iigwgtptvc vtvwatlrly fddtgcdwmn
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```