

## Specifications:

Gene:	mAGTR1B
Accession:	NP_780295
Insert size:	1093bp
Concentration:	10µg at 0.2µg/µL

## mAGTR1B cDNA Plasmid

**Agtr1b** angiotensin II receptor, type 1b [ *Mus musculus* ]

**Also known as:** AT1B; AT2R1B; Agtr-1b; Angtr-1b

### Summary:

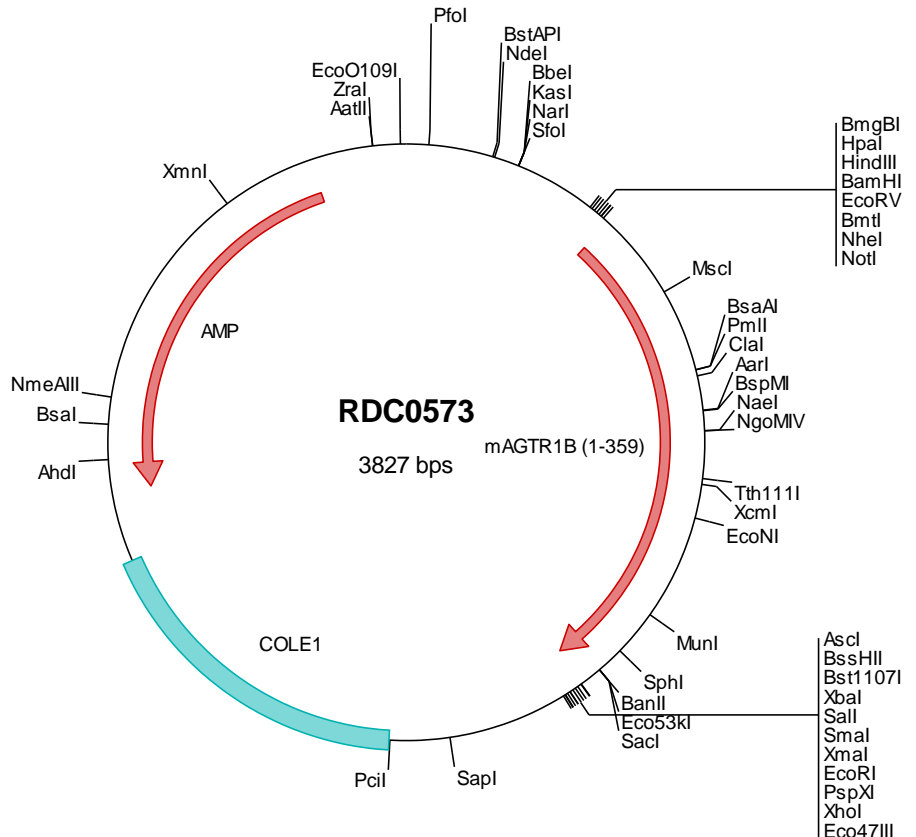
AGTR1B is a receptor for angiotensin II. It mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Renal PAI-1 expression correlates with AGTR1B receptor mRNA. Angiotensin II stimulates PAI-1 expression in part through the AGTR1B receptor in the kidney and liver.

## 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.





> RDC0573 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgatcctta actctctat tgaagatgga attaaaagaa tccaagatga
501 ctgcccgaag gctggcaggc acaattacat atttgcattg atccctactc tctacagcat catctttgtg gtgggaatat ttggaaacag tttggtggtg
601 atttgcattt acttttaccat gaagctaaag actgtggcca ggtgtttcct tctgaaatctt gcctggctg atttatgctt tttgttgact ttgcctotgt
701 gggcagttta taccgctatg gaataccagt ggccttccgg caatcaacctg tgtaagatcg ctctggccag cgtcagtttc aacctctacg ccagtgtgtt
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2501 gttgtagct cttgatccgg caaacaacc accgctgcta gctgtgttt tttgtttgc aagcagcaga ttacgcccag aaaaaaagga tctcaagaag
2601 atcctttgat cttttctacg ggtctgacg ctcaagtggaa cgaaaactca cgttaagga ttttggctat gagattatca aaaaggatct tcacctagat
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3801 ataggcgtat caccaggccc tttcgtc

> RDC0573 Translated Insert Sequence

1 milnssiedg ikriqddepk agrhnyifvm iptlysiifv vgifgnslvv iviyfymklk tvasvflnl aladlclflt lplwavytam eyqwpfgnhl
101 ckiasasvsf nlyasvfltl clsidrylai vhpkmksrlrr tmlvakvtci iwlmaglas lpavihrnvy fientnitvc afhyesqnst lpiqlgltkn
201 ilgfvfpfvi iltsytlwki alkkaykiqk ntprnddifr iimaivlfff fswvphqifs fldvliqlgv ihdceiadvv dtampitici ayfnnclnpl
301 fygflgkfkf ryflqlkkyi pparshagl stkmstlsyr psdnmssar ksaycfeve