

Specifications:

Gene:	mADMR
Accession:	BAA04125
Insert size:	1201bp
Concentration:	10µg at 0.2µg/µL

mADMR cDNA Plasmid

Gpr182 G protein-coupled receptor 182 [*Mus musculus*]

Also known as: NOW; AM-R;
Admr; MB10; G10-D; Gpcr17;
Gpcr22

Summary:

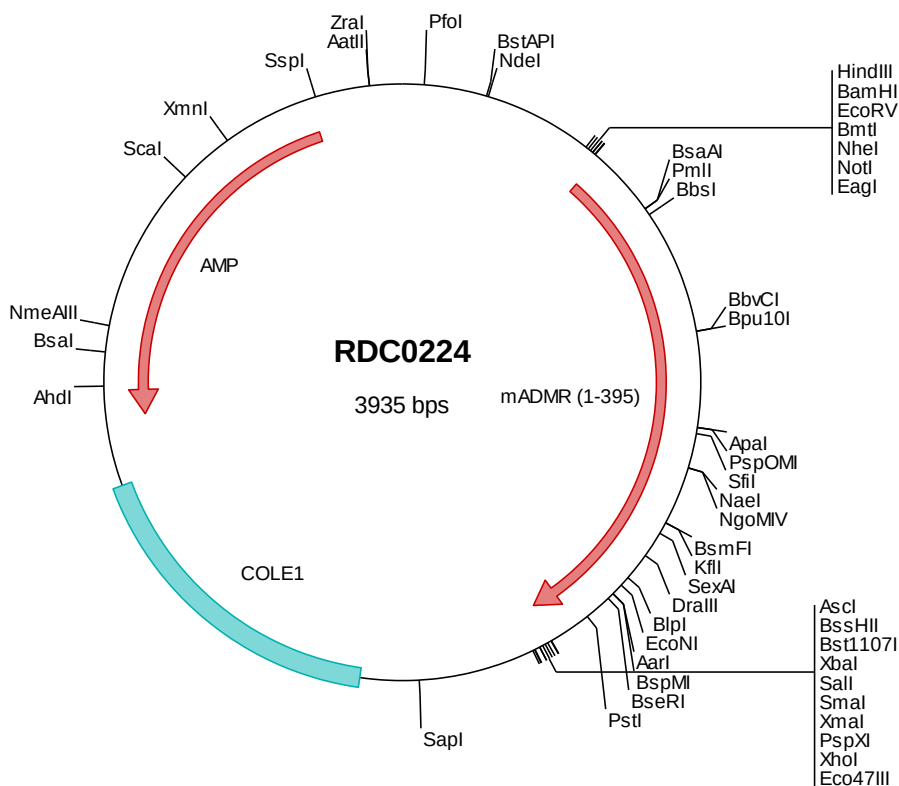
Adrenomedullin (AM) is a potent vasodilator peptide that exerts major effects on cardiovascular function. ADMR is a seven-transmembrane protein that belongs to the family 1 of G protein coupled-receptors. ADMR is highly expressed in heart, skeletal muscle, immune system, adrenal gland and liver. ADMR mediates the stimulatory effects of AM on cancer cells and on endothelial and stellate cells within the tumor microenvironment. These data support the further development of ADMR as a useful target treatment of pancreatic cancer.

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.





> RDC0224 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgttaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcmc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct gccgaaaggg ggaatgtctg caaggcgatt aagtttggta accgcagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tgcgtagcgc ggccgcaccc atgtcagtea taccagcccc caggccccgc tccaccttgg aaccggacaa
501  tgattttaga gacatccaca actggacaga gctgctccac ctcttcaacc agacctttac cgattgccac atagaattca acgagaacac caaacacgtg
601  gtccctcttcg tcttctaacct ggccatcttc gtggtaggct tagtagagaa cgtcctgggt atattgttca actgccgcgg ttcaggccgg gtggggatgc
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801  gggcagcttc tccgtgcgct tcattcatta tttctacctt gtcaacatgt acagcagcat cttcttctcg acgtgcctca gaattgacgg ctacgtcaac
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1601 gcttccaaac acctcaccta cactctgcaa tctgttaaag gcgcgcagc atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct
1701  tggcgtaatc atggtcatag ctgtttccctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgtg aagcctgggg
1801  tgcctaataa gtgagctaac tcacattaat tgcgttgccg toactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa
1901  cgcgcgggga gaggcgggtt gcgtattggg cgtctctccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc
2001  actcaaaagg ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaaag ccagcaaaaag gccaggaacc gtaaaaaagg
2101  cgcgttgtctg gcgtttttcc ataggctccg cccctctgac gagcatcaca aaaatcgacg ctcaagttag aggtggcgaa acccgacagg actataaaga
2201  taccaggcgt tcccccttgg aagctccctc gtgcgctctc ctgttccgac cctgcgctt accggatacc tgctccgctt tctcccttcc ggaagcgtgg
2301  cgctttctca atgctcagcg tgtaggtatc tcagttcggt gtaggctggt tgcgtccaag cgtcccaagc tggtctgtgt gcacgaaccc cccgttcagc ccgaccgtg
2401  cgccttatcc ggtaactatc gtcttgagtc caaccggta agacacgact tatcgccact ggcagcagcc actggttaaca ggattagcag agcagggat
2501  gtaggcgggt ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggtg tctgcgctct gctgaagcca gttaccttcg
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2901  ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc ttaccatctg gccccagtc
3001  tgcaatgata ccgcgagacc cagctccacc ggtccagat ttatcagcaa taaccagcc agccggaagg gccgagcgca gaagtgttcc tgcaacttta
3101  tccgcctcca tccagctctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgcatttgc acaggcatcg
3201  tgggtgtcacg ctgctgcttt ggtatggctt cattcagctc cgttcccaa cgtcaaggc gagttacatg atccccatg ttgtgcaaaa aagcgttag
3301  ctccctcggt cctccgatcg ttgtcagaag taagtggcc gcagtggtat cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc
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3501  ataccgcgcc acatagcaga actttaaaag tgcctcatcat tggaaaacgt tcttcggggc gaaaaactct aaggatctta ccgctgttga gatccagttc
3601  gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcataatgc cgcaaaaaag
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3801  ttgaatgtat ttgaaaaaat aaacaaatag ggggtccgcg cacattttcc cgaaaaagtc cacctgacgt ctaagaaaacc attattatca tgacattaac
3901  ctataaaaaat aggcgtatca cgaggccctt tcgtc
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> RDC0224 Translated Insert Sequence

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201  lapfetyasw alavalsati lgflfpilli avfniltacr lrrqrqtesr rhcllmwayi vvfaiawlpy qvtmllltlh gthiflhchl vnlllyffyei
301  idcfsmhlev anpilynfls psfrgrllsl vvrylpkega raaggrasss sstqhsiiit kegsllplqri stptpsetfr rplrlqtphl hsail
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