

Specifications:

Gene:	rCHRM5
Accession:	NP_059058
Insert size:	1608bp
Concentration:	10µg at 0.2µg/µL

rCHRM5 cDNA Plasmid

Chrm5 cholinergic receptor, muscarinic 5 [*Rattus norvegicus* (Norway rat)]

Summary:

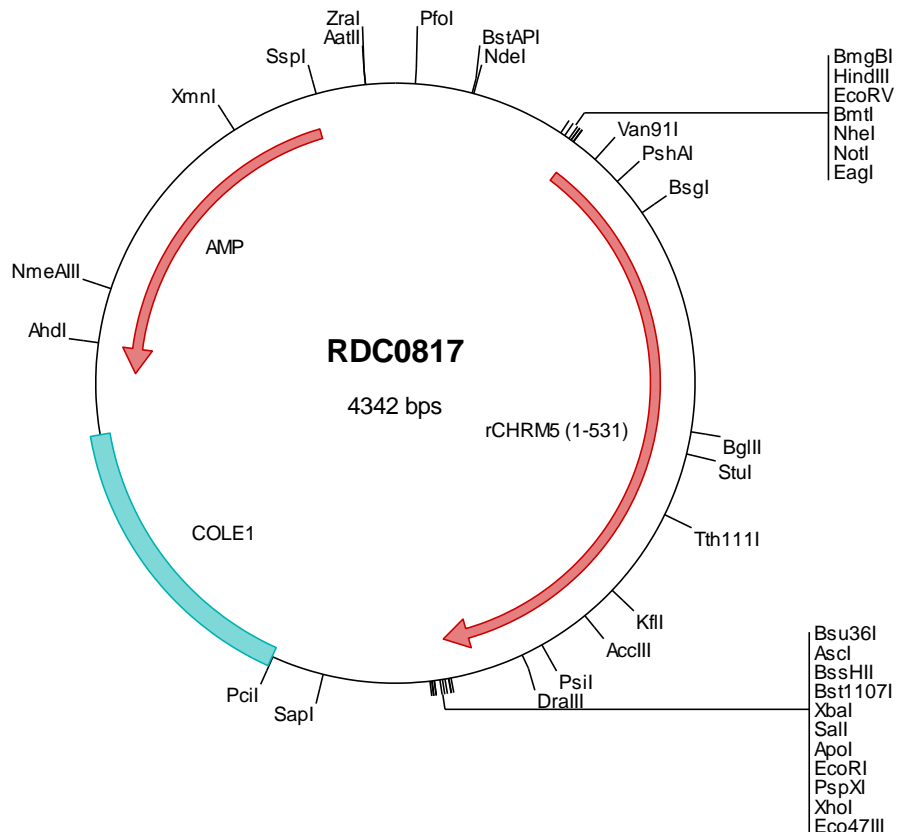
Muscarinic receptors are known to be involved in the acetylcholine (ACh)-induced secretion of catecholamines in the adrenal medullary. CHRM5 is a muscarinic receptor that mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels.

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.





> RDC0817 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagcgc gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcagggcgc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caagcgatt aagtgggta acgcccagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggaagggg agtcttaca tgaaagcaact gtaacggca ccccgtaaa
501 tcaccagcgt ttgaaocgcc atggactgtg ggaagtcaatt actattgcag ttgtgactgc ggtggtcagc ctgatgacca ttgtcggcaa tgtottggtc
601 atgatctcct tcaaaagca cagtcagctc aagacagtta acaactacta cctgctcagc ttggcctgtg cagacctcat cattggcacc tctccatga
701 acctetacac gacctacatc ctoatgggac gctgggttct cgggagtctg gcttgtgacc ttggcctggc actcgactat gtaccagca atgctctgt
801 catgaacctt ctggtgatta gttttgatcg ttaactttcc atcacaagac cactgacgta cggggccaag cgtaccocaa agagggtgg catoatgatt
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2101 tctagcttgg cgtaatcatg gtcatactgt tttcctgtg gaaattgtta tccgctcaca attccacaca acatcagac cggaaagata aagtgtaaag
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4201 tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttcccga aaagtccac ctgacgtcta agaaaccatt attatcatga
4301 cattaaccta taaaaatag cgtatcagca ggcctttcg tc

> RDC0817 Translated Insert Sequence

1 megesynest vngtpvnhqa lerhglwevi tiavvtavvs lmtivgnvlv misfkvnsql ktvnnnylls lacadliigi fsmnlyttyi lmgrwvlqsl
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201 fyipvsvmti lycryirete krtkdldlq gdsvaeakk repaqrtlrr sffscprpsl aqrernqasw sssrrststt gkttgatdls adwekaeqvt
301 tcssypssed eakpttdpvf qmvykseake spgkesntqe tketvvntrt ensdydtpky flspaaahrl ksqkcvaykf rlvvkadgtq etnngcrkvv
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501 frktfkl111 crwkkkkvee klywqgnskl p