

Specifications:

Gene:	hCHRM4
Accession:	NP_000732
Insert size:	1451bp
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.

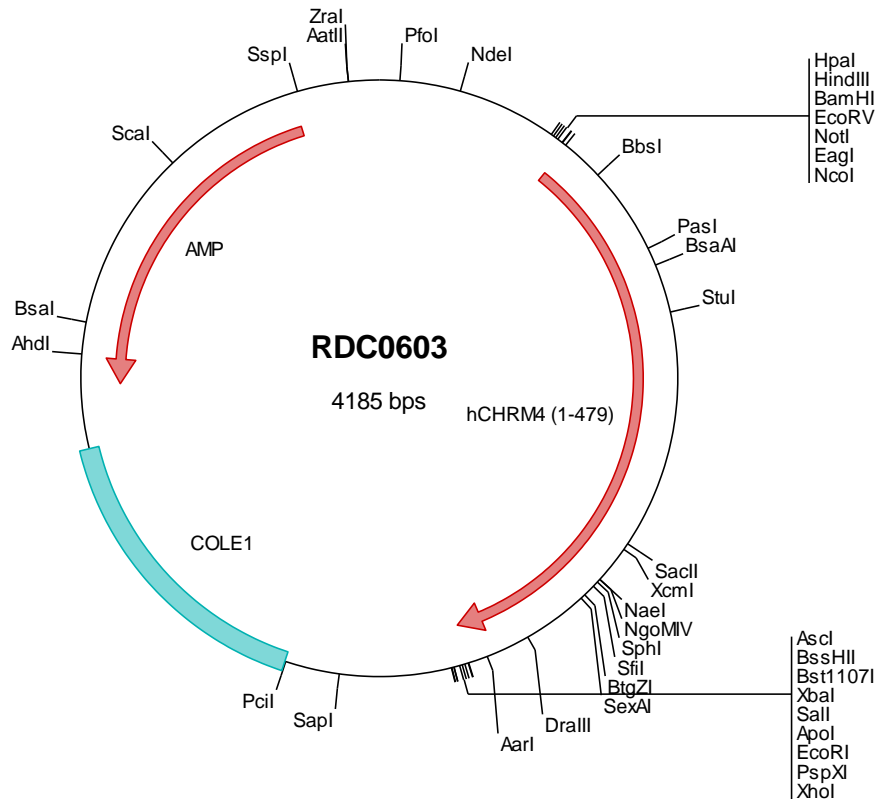
hCHRM4 cDNA Plasmid

CHRM4 cholinergic receptor, muscarinic 4 [*Homo sapiens*]

Also known as: HM4; M4R

Summary:

Muscarinic cholinergic receptors, including CHRM4, are a functional diverse group of proteins defined by the binding of acetylcholine. They influence the multiple effects of acetylcholine in the central and peripheral nervous system and belong to a larger family of G protein-coupled receptors. There is a decrease in CHRM4 binding in the dentate gyrus and CA4 regions of brain sections from Alzheimer's patients. The function of CHRM4 is unclear; however, mouse studies link its function to inhibition of adenylyl cyclase.





> RDC0603 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaagg ggaatgtctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggaatccgata tcgtagcgc ggccgccacc atggccaact tcacacctgt caatggcagc tcggggcaatc agtccgtgcg
501 cctggtaacg tcaatcattc acaatcgta tgagacggtg gaaatggtct tcaatggccac agtgacaggc tccctgagcc tggtagctgt cgtgggcaac
601 atcctggatg tgctgtccat caaggtcaac aggcagctgc agacagtcaa caactacttc ctctcagcc tggcgtgtgc tgatctcacc ataggcgctc
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1201 aagcagagcg tcaagaagcc cccgccgggg gaggccggcc gggaggagct gcgcaatggc aagctggagg agggcccccc gccagcgtg ccaccgccac
1301 cgcccccctg ggcgtataag gacacttcca atgagtcagg ctcaggcagt gccaccaga acaccaagga acgcccagcc acagagctgt ccaccacaga
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1901 atactctaga gtcgacaccc ggggaattcc tcgagcgtc gtctctagct tggcgtaatc atggtagcag ctgttctctg tgtgaaattg ttatccgctc
2001 caaattccac acaacatacg agccggaagc ataaaagtga aagcctgggg tgctaatga gtgagctaac tcacattaat tgcgttgcgc tcaactgccg
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2201 cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtagcagctc actcaaaagg gtagtaacgg ttatccacag aatcaggggg taacgcagga
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4101 cgaaaagtgc cacctgacgt ctaagaaacc attattatca tgacattaac ctataaaaat agggctatca cgaggccctt tcgctc

> RDC0603 Translated Insert Sequence

1 manftpvngs sgnqsvrlvt ssshnyetv emvfiatvtg slslvtvvgv ilvmlsikvn rqlqtvnnyf lfslacadli igafsmnlyt vyiikgywpl
101 gavvcdlwa ldyvvsnasv mnllisfdr yfcvtkplty parrrtkmag lmiaaawvls fvlwapailf wqfvvgrtv pdnqcfiqfl snpavtfgta
201 iaafylpvvi mtvlyihisl asrsrvhkhx pegpkkkak tlaflksplm kqsvkpppg eaareelrng kleeappal pppprpvadk dtsnessgs
301 atqntkerpa telstteatt pampplqp ralnparsws kiquvktqg necvtaieiv patpagmrpa anvarkfasi arnqvrkkqrq maarerkvtr
401 tifailafi lwtvpyvmv lvnftcqscl pdtvwsigw lcyvnstinp acyalcnaif kktfrhlllc qyrnigtar