

Specifications:

Gene:	hCHRM1
Accession:	NP_000729
Insert size:	1395bp
Concentration:	10µg at 0.2µg/µL

hCHRM1 cDNA Plasmid

CHRM1 cholinergic receptor, muscarinic 1 [*Homo sapiens*]

Also known as: M1; HM1; M1R

Summary:

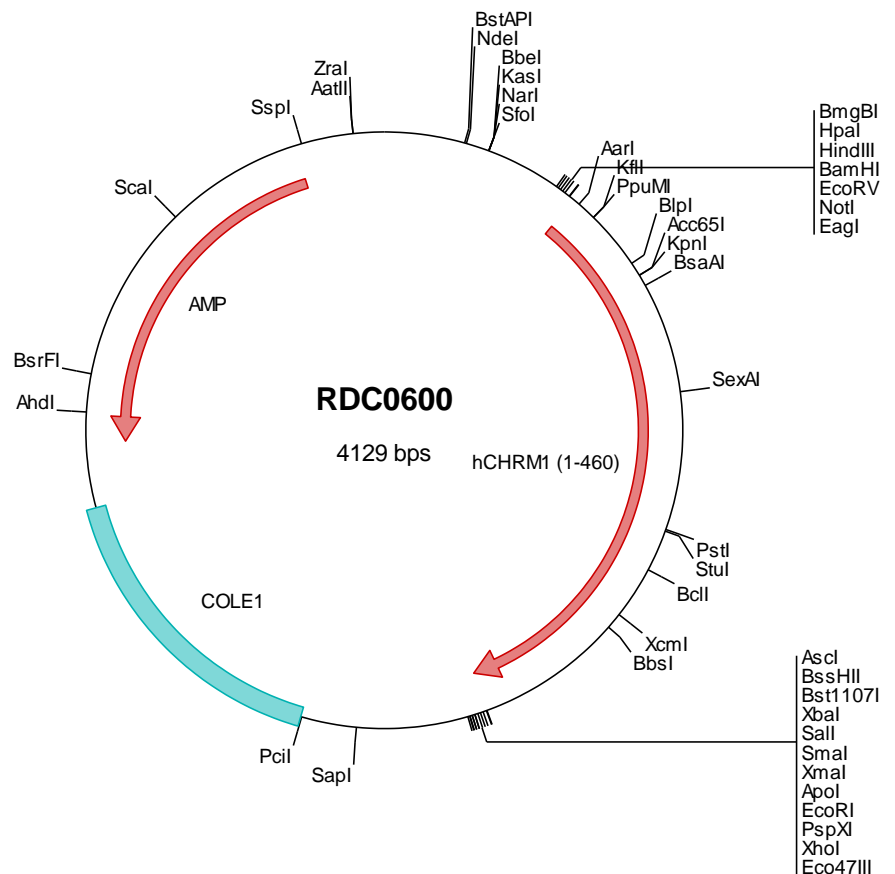
Muscarinic acetylcholine receptors (MR) are involved in multiple intestinal reflexes. The muscarinic cholinergic receptors, including CHRM1, belong to a larger family of G protein-coupled receptors. CHRM1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract.

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.





> RDC0600 Plasmid DNA Sequence

1 tcgctgcttt cggatgatgac ggtgaaaacc tetgacacat gcaactctccg gagacggtca cagcttctct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcgac ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatecgata tetgtagcgc ggcgcgccacc atgaaacctt cagccccacc tgctgtcagc ccaaatca ccgtcctggc
501 accaggaag ggtccctggc aagtggcctt cattgggato accacgggccc tctgtctgct agccacagtg acaggcaacc tctgtgtaact catctcttcc
601 aaggtcaaca cggagctcaa gacagtcaat aactacttcc tgctgagcct ggctgtgctg gaactcaatc togttacctt ctccatgaa cctctatacca
701 cgtacctgct catggggcac tgggtctggt gaacctggc ttgtgacctc ttgtgtgccc tggactatgt ggccagcaat gcctccgtca tgaatctgct
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1501 aagcgggaaga cctctcgtct ggtcaaggag aagaaggcgg ctccggacct gactgcccac ctctctggct tcaatctcac ctggcaaccg tacaacatca
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2001 atgagtgagc taactcacat taattgctt cccgcttccc agtcgggaaa cctgtctgctc cagctgcatt aatgaatcgg ccaacgcgcg
2101 gggagagcgc gtttgcgtat tgggcctctc tccgcttccc cgtcactga ctgctgccc tcggctgctc ggctcggcgc agcggatca gctcactca
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> RDC0600 Translated Insert Sequence

1 mntsappavs pnitvlapgk gpwqvafigi ttgllslatv tgnllvlisf kvntelktvn nyfillslaca dliigtfsmn lyttyllmgh walgtlacdl
101 wlaldyvasn asvnmlllis fdryfsvtrp lsyrakrtpr raalmiglaw lvsfvlwapa ilfwqylvge rtvlagqcyi qflsqpiitf gtamaafylyp
201 vtvmctlywr iyretenrar elaalqgset pgkggssss serspggae spetppgrcc rccraprllq ayswkeeeee degsmeslts segeepgsev
301 vikmpmvdpe aqaptkqppr sspntvkrpt kkrdragkg qkprgkqla krktfslvke kkaartlsai llafiltwtp ynimvlvstf ckdcvpetlw
401 elgywlcynv stinpmcal cnkafrdtfr llllcwdrk rwrkipkrpg svhrtpsrqc