

Specifications:

Gene:	hMCHR1
Accession:	NP_005288
Insert size:	1282bp
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.

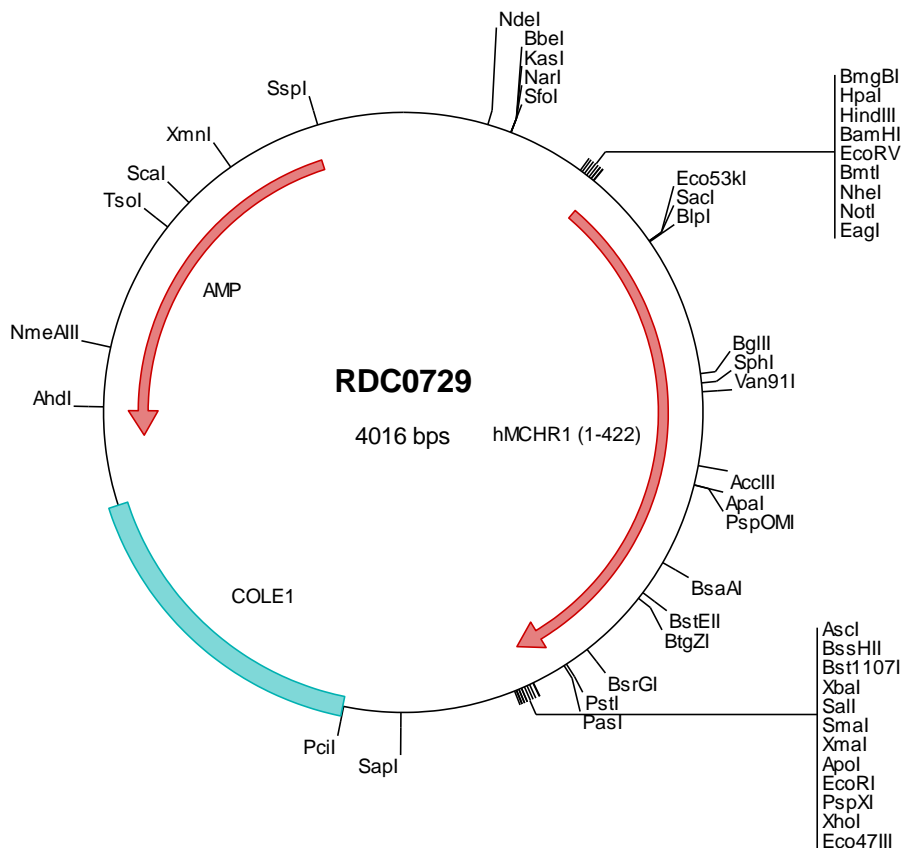
hMCHR1 cDNA Plasmid

MCHR1 melanin-concentrating hormone receptor 1 [*Homo sapiens*]

Also known as: SLC1; GPR24; MCH1R

Summary:

MCHR1 is a member of the G protein-coupled receptor family 1. It is an integral plasma membrane protein which binds melanin-concentrating hormone. MCHR1 can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, this protein does not seem to bind somatostatin.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0729 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcggcaac atgtcagtgg gagccatgaa gaagggagtg gggaggcag ttgggttgg
501 aggcggcagc ggtgcccagg ctacggagga agaccactt cccaactgcg gagcttgcgc tccgggacaa ggtggcaggc gctggaggct gccgcagcct
601 gctgtgggtg aggggagctc agctcgggtg tgggagcagg cgaccggcac tggctggatg gaactggaag cctcgtctgt gccactgggt cccaatgcca
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4001 acgagccctc ttcgctc

> RDC0729 Translated Insert Sequence

1 msvgamkkyv gravlglggs gcqateedpl pncgacapq grrrwrpqp awvegssarl weqatgtgwm dleasllptg pnanstsdgp dnltasagssp
101 rtgsisyini impsvfgtic llgiignstv ifavvkkskl hwcnnvpdif iinlsvvdl1 fllgmpfmih qlmgngvwhf getmctlita mdansqftst
201 yiltamaidr ylatvhpiss tkfrkpsvat lvicllwals fisitpwwly arlipfpgga vgcgirlpnp dtdlywftly qfflalfalp vvitaayvri
301 lqrmstssvap asqrsirirt krvttraiai clvffvcwap yvvlqltqls isrptltfvy lynaaaisly ansclnfpvy ivlctefrkr lvlsvkaapaa
401 gqlravnsaq tadeertesq gt