

## Specifications:

Gene:	mMC2R
Accession:	NP_032586
Insert size:	904bp
Concentration:	10µg at 0.2µg/µL

## mMC2R cDNA Plasmid

Mc2r melanocortin 2 receptor  
[ *Mus musculus* ]

Also known as: ACTHR; MC2-R;  
ACTH-R

### Summary:

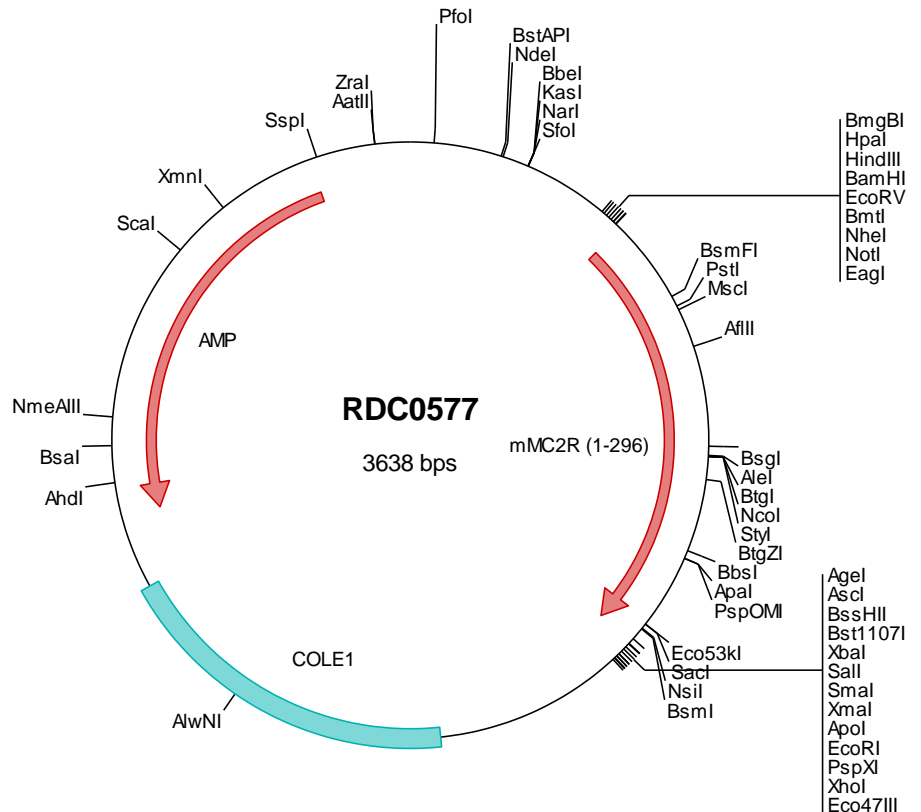
MC2R is one of five G protein-associated melanocortin receptor family members. It may mediate peripheral stress responses. Melanocortins (melanocyte-stimulating hormones and adrenocorticotrophic hormone) are peptides derived from pro-opiomelanocortin (POMC). MC2R is a receptor of adrenocorticotrophic hormone in the adrenal cortex. Mutations in MC2R can result in familial glucocorticoid deficiency.

## 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



## > RDC0577 Plasmid DNA Sequence

```
1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
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401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgccacc atgaagcata ttatcaatto gtatgaacac accaatgaca ccgcaagaaa
501 taactcogat tgtcctgatg tagttttgcc agaagagata tttttcaaaa tctctgtoat tggcatattg gagaacttga ttgtctctct ggctgtgac
601 aaaaaataaaa atctocagtc ccccatgtat tttttcatct gaagtttggc catttctgac atgttgggca gtctgtataa gatcttggaa aacatctgta
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## > RDC0577 Translated Insert Sequence

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