

### Specifications:

Gene:	hCB2R
Accession:	NP_001832
Insert size:	1095bp
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.

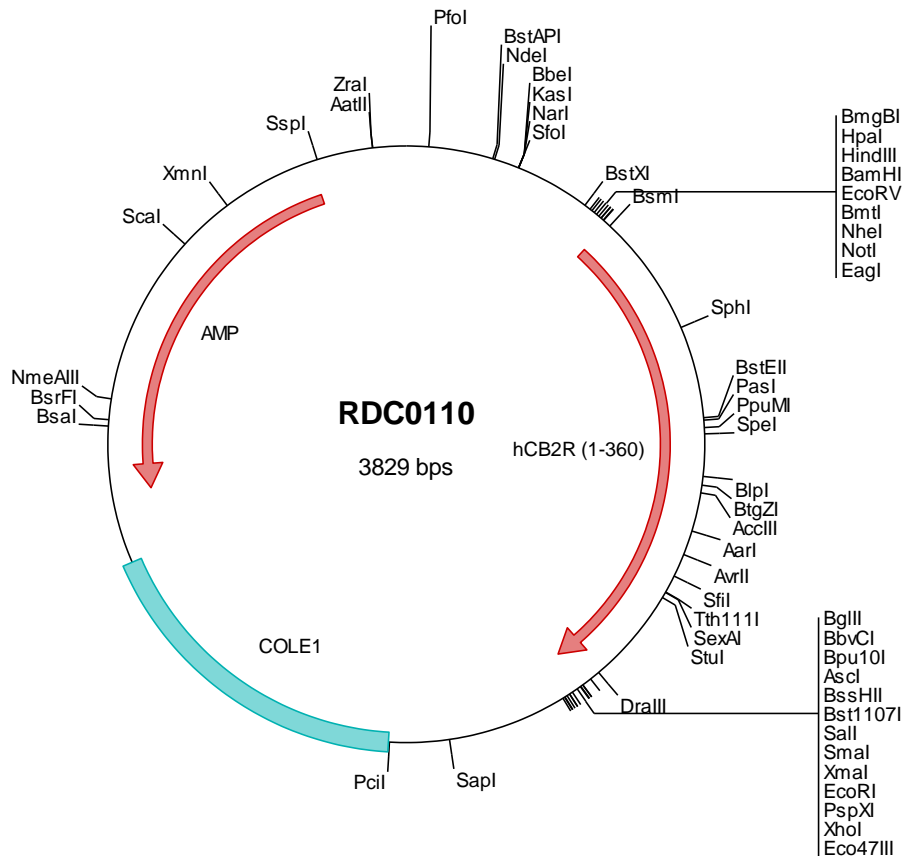
## hCB2R cDNA Plasmid

**CNR2 cannabinoid receptor 2 (macrophage) [ *Homo sapiens* ]**

**Also known as:** CB2; CX5

### Summary:

Cannabinoid R2 (CB2R) is a 7TM protein that belongs to the family of G protein-coupled receptors, class A. CB2R is expressed in the periphery, notably by hematopoietic cells, in contrast to CB1R which is expressed predominantly in the central nervous system and gut. CB2R on lymphocytes and macrophages binds cannabinoids and modulates cytokine secretion. It has been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana.





> RDC0110 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttaaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atggaggaat gctgggtgac agagatagcc aatggctoca aggatggctt
501 ggattocaaac cctatgaagg attacatgat cctgagtggt cccagaaga cagctgttgc tgtgtgtgac actcttctgg gctgctaag tgcctggag
601 aacgtggctg tgcctatct gatcctgtcc tcccaccaac tccgccgaa gccctcaac ctgttcaatg gcagcttggc tggggctgac ttctggcca
701 gtgtggtctt tgcatacagc tttgtgaatt tccatgtttt ccatgtgtg gattccaagg ctgtcttctc gctgaagatt ggcagcgtga ctatgaacct
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1701 atgagtgagc taactcacat taattgcgctt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg
1801 gggagagcgc gtttgcgtat tgggcgctct tccgcttctc cgctcaactga ctgctgcgc tccgtcgttc ggctcggcgc agcggatca gctcaactca
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3201 cggctcctcc atcgtttgca gaagtaagtt ggccgcagtg ttatcaactca tggttatgga agcactgcat aattctctta ctgtcatgcc atccgtaaga
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3701 gtatttagaa aaataaaca ataggggttc cgcgacatt tccccgaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa
3801 aaataggcgt atcacgagcc cctttcgtc

> RDC0110 Translated Insert Sequence

1 meecwvteia ngskdgl dsn pmkdymilsg pqktavavlc tllgl lsale nvavlylils shqlrrkpsy lfigslagad flasvvfacs fvnfhvfhwg
101 dskavlllki gsvtmtftas vgsllltaid rylclrypps ykalltrgra lvtlgimwvl salvsylplm gwtccprpcs elffliplndy llswllfiaf
201 lfsgeiiytyg hvlwkahqhv aslsgdqdrq vpgmarmrld vrlaktlglv lavllicwfp vlalmahsla tllsdqvkka fafcsmlcli nsmwvpiya
301 lrsgeirssa hhlahwkkc vrglgseake eaprsvvtet eadgkitpwp dsrldldsd