

## Specifications:

Gene:	hCRHR1
Accession:	NP_004373
Insert size:	1260bp
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.

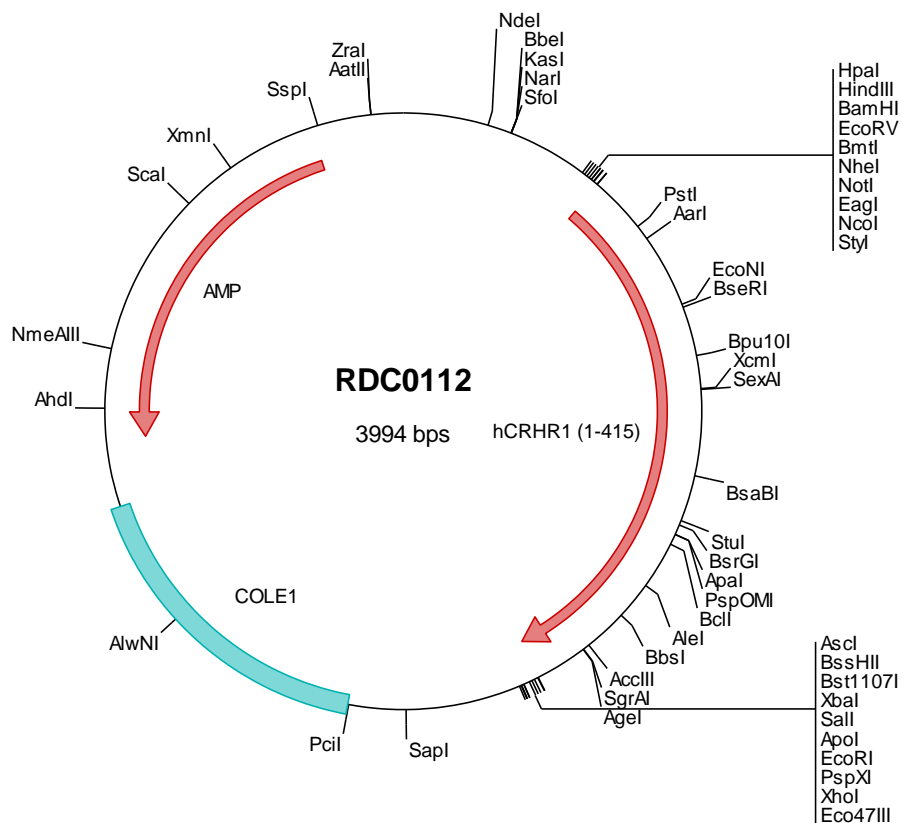
## hCRHR1 cDNA Plasmid

### CRHR1 corticotropin releasing hormone receptor 1 [ *Homo sapiens* ]

**Also known as:** CRF1; CRHR; CRF-R; CRFR1; CRF-R1; CRFR-1; CRH-R1; CRHR1L; CRHR1f; CRF-R-1; CRH-R-1; CRH-R1h

### Summary:

Corticotrophin-Releasing Hormone Receptor 1 (CRHR1), also known as CRFR1, is a 7TM protein that belongs to the G protein-coupled receptor family 2. It binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. CRHR1 is expressed in the brain and adrenal gland where it mediates corticotrophin-induced effects on anxiety, depression, obesity, and stress-associated pathologies. Alternative splicing results in multiple isoforms.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0112 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagccc
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgccc aactgttggg aaggcgatc ggtcggggc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggccgcaacc atgggagggc accccgagct ccgtctcgtc aaggcccttc tccttctggg
501 gctgaaacccc gtctctgcct cctccagga ccagcactgc gagagcctgt cctgggcaag caacatctca ggactgcagt gcaacgcatc cgtggacctc
601 attggcaacct gctggccccc cagccctgcg gggcagctag tggttcggcc ctgcctgccc tttttctatg gtgtccgcta caataccaca aacaatgget
701 accgggagtg cctggccaat ggcagctggg ccgcccgcgt gaattactcc gagtgcagg agatctctca tgaggagaaa aaaagcaagg tgcaactacca
801 tgtcgcagtc atcaatcaact acctgggcca ctgtactccc ctgggtggccc tctgtgtggc ctttgcctc tttctgcggc tcaggagcat ccggtgacctg
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1401 ggtgctcgtc cccctcctgg gcaatcaacta catgctgttc ttctcaatc ccgggagga tgaggtctcc cgggtcgtct tcaatcaact caactcctc
1501 ctggaatctc tccagggtt ctttctgtct gtgtctacta gtttctcaaa tagtgaggtc cgttctgcca tccggaagag gtggcaccgg tggcaggaca
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1801 tatccgctca caattccaca caacatcaga gccggaagca taaagtgtaa agcctggggt gcctaagtag tgagctaact cacattaatt gcgttcgct
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3801 cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata acaaatagg ggttccgcgc
3901 acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaaata ggcgtatcac gaggcccttt cgtc

> RDC0112 Translated Insert Sequence

1 mghpqlrlv kallllglnp vsaslqdhc eslslasnis glqcnasvdl igtcwprspa gqlvvrpcpa ffygvryntt nngyreclan gswaarvnys
101 ecqeilneek kskvhyhvac iinylghcis lvallvafvl flrlrsircl rniihwnlis afilrnatwf vqqltmspev hqsnvgwcr1 vtaaynyfhv
201 tnffwmfgeg cylhtaiavl ystdrlrkwm ficigwgvpf piivawaigk lyydnecwf gkrpgvytydy iyqgpmilvl linfilflni vrilmtklra
301 sttsetiqyr kavkatllvl pllqitymlf fvnpgedevs rvvfifynsf lesfggfivs vfycflnsev rsairkrwhr wqdkhsirar varamspts
401 ptrvsfhsik qstav