

## Specifications:

Gene:	mCCKAR
Accession:	NP_033957
Insert size:	1324bp
Concentration:	10µg at 0.2µg/µL

## mCCKAR cDNA Plasmid

Cckar cholecystokinin A receptor  
[ *Mus musculus* (house mouse) ]

Also known as: AW106902; CCK-AR

### Summary:

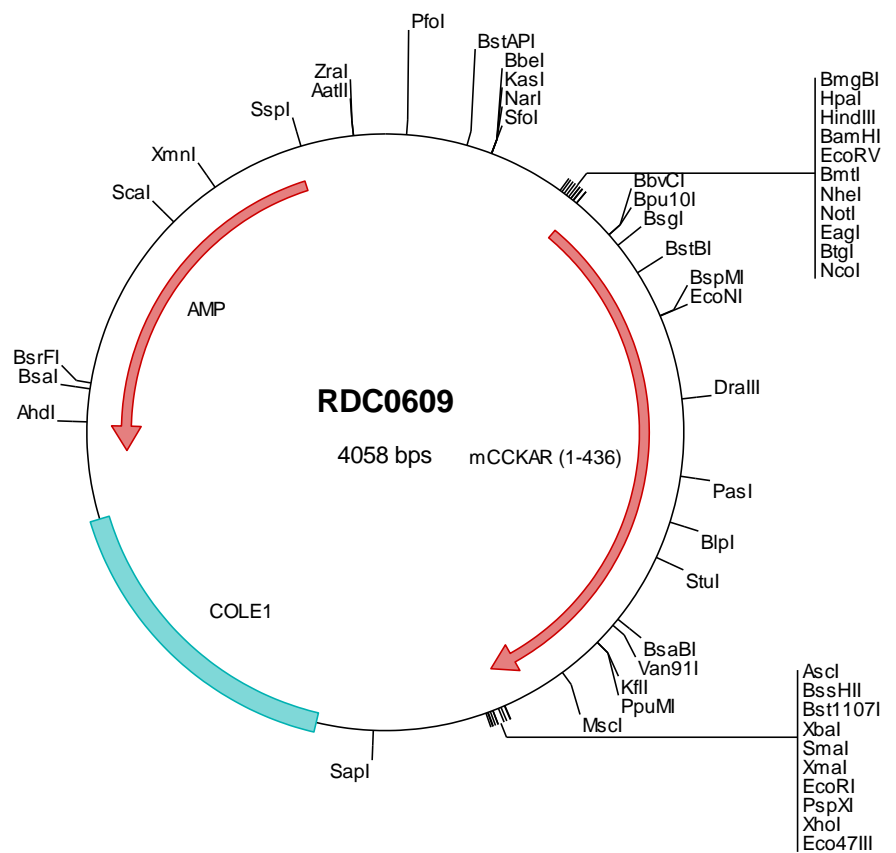
CCKAR is an estrogen receptor alpha (ERalpha) downstream gene in the pituitary. CCKAR mediates the sensitizing effect of estrogen in GnRH-induced LH secretion. CCKAR may play a role in the estrogen sensitization of the pituitary response to GnRH. In the cycling mouse pituitary, the expression of CCKAR is markedly higher in the afternoon of proestrus compared with metestrus.

## 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



> RDC0609 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tecggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaagg ggaatgtctg caaggcgatt aagtgggta acgccagggt ttcccgctc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgccacc atggatgtgg tcgacagcct tcttatgaat gggagcaaca tcaactcccc
501 ctgtgaaatc gggctggaaa atgagacgct tttctgcctg gatacaacct agccttcaaa agaattggcag tctgcagtgc agattctcct gtaactcttc
601 atattctctc tcagtgtgct ggggaaacacg ctggttataca cgggtctgat tcgaaacaag aggatgcgga ctgtcaccaa catcttcctg ctgtccctgg
701 ctgtcaagta cctcatgctt tgctctctct gcatgcccgt caacctcacc ccaaacctgc tcaaggattt catcttcgga agtgccgtgt gcaagactac
801 caacctactc atgggcaact ccgtgagtgt ttocaccttc aacctgttag ccaatctctc ccaatctctc ggagagatac ggtgccaatc gcagaccctc acaatcccg
901 gtctggcaaa caaagtccca tgctttgaag gtoatogctg ccaactgggt cctctccttt acoactatga ctccgtaccc catttacagc aacttggtgc
1001 cttttactaa aacaataaac cagacggcga acatgtgcgg ctctctgttg ccaagtgaag ctatgcagca gtcctggcaa acattctcgc tactcatctc
1101 cttccttata cctggggttg tgaatgggtt ggcttatgga ctcatctctc tggaaactca ccaaggaaac aaatttgatg ccagccagaa gaaatctgct
1201 aaagagaaga ggctaagcag cggcggcgcc ggtggcggcg gtagcagcag cagccgatac gaggatagcg atggctgta cttgcagaaa tccaggctc
1301 caaggaagct agagctgcag cagctgtcaa ccagcagcag tgggtggcaga atcaaccgga tcaggagcag tgggtctgct gccaacctga tcgccaaaga
1401 gcgctgata cgcactgctc ttgtcaattgt ggtcctcttc ttctgtgctt gaatgcccc atctcagtgcc aatgcccctg ggcataatga cacggttctc
1501 gccgagaaac acctctcagc gaocccatcc tctctcctcc tctcctctcc ctacacctcc tctgtgtgca accccattat ctactgtctc atgaaacaaac
1601 gctttgcctt gggcttcatg gccaccttcc cctgttgccc gaatctctgtt cccaccgggg tgagaggaga agtgggagag gaggaagatg gaaggacctc
1701 aagggcaatc ctgtcccgtt attctacag ccacatgagc aacctgccc cccccacta aaggcgcgcc agtatactct agagtgcaca cccggggaat
1801 tctcagagcg ctgctctcta gcttgccgta atcaatggta tagctgtttc ctgtgtgaaa ttgttatccg ctcaaatcc cacacaacat acgagccgga
1901 agcataaagt gtaaaagctg ggttgccctaa tgagtgcctt aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtctgtgc
2001 agctgcatta atgaatcggc caacgcggcg ggagagcggg tttgcgtatt gggcgctctt ccgcttctcc gctcactgac tcgctgcgct cggctgttcc
2101 gctcggcga gcggtatcag ctcaactcaa ggcgtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa agccagcaa
2201 aaggccagga accgtaaaaa ggcgcgcttg ctggcgcttt tccataggtt cccgccccct gacgagatc acaaaaatcg acgctcaagt cagaggtggc
2301 gaaacccgac aggactataa agataaccag cgtttccccc ttgaaagctcc ctctgtctcc gacctgcg cttaccggat acctgtccc
2401 cttctcctcct tcgggaagcg tggcgctttc tcaatgctca cgtgtaggtt atctcagttc ggtgtaggtc gttcgtcca agctgggctg tgtgcaagaa
2501 cccccgcttc agcccagcgc ctgcgctta tccggtaact atcgtcttga gtccaaccg gtaagacag acttatcgcc actggcagca gccactggta
2601 acaggattag cagagcgagg tatgtaggcg gtgctacaga gttccttgaag ttgtggccta actacggcta cactagaagg acagtatttg gtatctgccc
2701 tctgctgaag ccagttacct tcggaaaaag agttggtagc tottgatccg gaaacaaac caccgctggt agcgggtggt tttttgtttg caagcagcag
2801 attacgcgca gaaaaaagg atctcaagaa gatcctttga tctttctac ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtea
2901 tgagattatc aaaaagatc ttcaactaga tctttttaa ttaaaaatga agttttaa at caatctaaag tataatagag taaacttggt ctgacagtta
3001 ccaatgctta atcagtgagg cacctatctc agcgatctgt ctatctcgtt catccatagt tgccctgact cccgtcgtgt agataactac gatacgggag
3101 ggcttaccat ctggcccagc tgctgcaatg ataccggcag acccacgctc accggctcca gatttatcag caataaacca gccagccgga agggccgagc
3201 gcagaagtgg tctgcaact ttatccgcct ccatccagtc tattaattgt tgccgggaag ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt
3301 tgttgccatt gctacaggca tcgtgtgtgc acgctcgtc tttggatgg ctccatcoag ctccggttcc caacgatcaa ggcgagttac atgatcccc
3401 atgtgtgca aaaaagcggc tagctccttc ggtcctccga tcgtgtgca agtaagttg gccgcagtgt taccactcat ggttatggca gcaactgata
3501 attctcttac tgtcatgcca tccgtaagat gctttctgt gactggtgag tactcaacca agtcattctg agaatagtt atgcggcgac cgagttgctc
3601 ttgcccggcg tcaatacggg ataataccgc gccacatagc agaactttaa aagtgtccat cattggaaaa cgttctctcg ttccgaaaaact ctaaggatc
3701 ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg ccccaactgc atcttcagca tctttactt taccagcgtt gtcgggtgta gcaaaaaacag
3801 gaaggcaaaa tgccgcaaaa aagggaaataa gggcgacacg gaaatgttga atactcatac tcttctcttt tcaatattat tgaagcattt acagggtta
3901 ttgtctcatg agcggataca tatttgaatg tatttagaaa aataacaaa taggggttcc gcgcacattt ccccgaagg tgccacctga cgtctaagaa
4001 accattatta tcatgacatt aacctataa aataggcgta tcacgagccc ctctctgc

> RDC0609 Translated Insert Sequence

1 mdvvdslm gsnitppcel glenetlfc1 dqpqpskewq savqillysf ifllsvlgn lvtvvlirnk rmrtvtnifl lslavsdml clfcmpfnli
101 pnllkdfifg savcktttyf mgtsvsvstf nlvaislery gaircplqsr vwqtkshalk viaatwclsf timtpyips nlpvftknnn qtanmcrfll
201 psdamqqsqw tflillifli pgvvmvayg lislelyggi kfdasqkksa kekrlssggg ggggssssry edsdcylqk srpprklelq qlstsssggr
301 inrirssgsa anliakkrvi rmlivivvlf flcwmpifsa nawraydtsv aekhlsgtpi sfilllsyts scvnpniycf mnkrfrlqfm atfpcppnp
401 ptgvrgevge eedgrtiras lsrysyshms tsapph