

Specifications:

Gene:	mLHR
Accession:	NP_038610
Insert size:	2115bp
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.

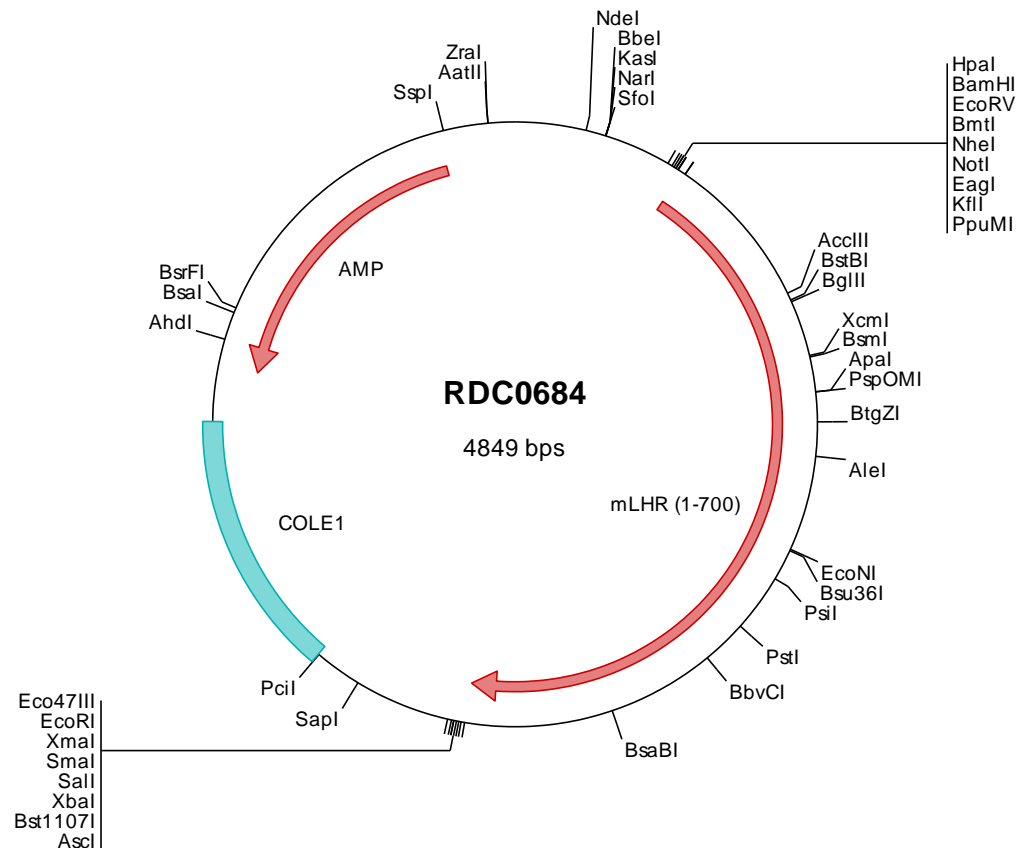
mLHR cDNA Plasmid

Lhcgr luteinizing hormone/choriogonadotropin receptor [*Mus musculus* (house mouse)]

Also known as: Lhr; LH-R; Gpcr19-rs1

Summary:

LHR is the receptor for both luteinizing hormone and choriogonadotropin. It belongs to the G protein-coupled receptor 1 family. Mutations in LHR result in disorders of male secondary sexual character development, including familial male precocious puberty, also known as testotoxicosis, hypogonadotropic hypogonadism, Leydig cell adenoma with precocious puberty, and male pseudohermaphroditism with Leydig cell hypoplasia.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0684 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcaccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt ttccagctc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc gggcgcacc atggggcgcc gggtcocgco totgagacag ctgctgtgtc tggcaatgct
501 ggtgctgaag cagtocacgc tgcactctcc agagttgtca gggtcgcgct gccctgagcc ctgcgactgc gcgocggatg gtcocctgoc ctgocctgpc
601 cctcgagctg gcctogcccg actatctctc acctatctcc ctgtcaaat aatoccatca caagcttcca ggggacttaa tgaggctgta aaaattgaaa
701 tctctcaagc tgattccctg gaaaggatag aagctaattg ctttgacaac ctctcaactc tgtctgaaat actgatccag aacacaaaaa acctgctata
801 cattgaaacc ggtgcttcta caaacctccc tcggttaaaa tacctgagca tctgtaaac aggcacocgg accctocccag atgtttcgaa gatctcttc
901 tctgaattta attcaattct ggaatctgtg gataatttat acataaccac cataccaggg aacgctttcc aagggatgaa taatgagtcc atcacgctga
1001 aactgtatgg aatgggtttt gaagaagtac aaagccatgc attcaatggg acgacgctaa tctcgtgga gttaaaagaa aacatctacc tggagaagat
1101 gcacagctgc atcttctgag gggccacggg gccacagatc ctggatgtct cttccaccaa attgcaaggcc ctgcccagcc accggctgga gtccattcag
1201 acgctcaatc ccacgtcaatc ctactcaactg aaaaactctgc cctccagaga aaaaattcacc agcctactgg ttgccacgct gacctacccct agccactgct
1301 gtgctttcag gaatttggcg aagaaagaac agaatttttc attttccatt ttgtaaaact ttccaaaaca atgtgaaagc acagttagag aagcgaaata
1401 cgagacgctt tattotgcca tctttgagga gaatgaactc agtggctggg attacgatta tgactttctg tcacccaaga cactccaatg tactcagaa
1501 ccagatgctt tcaatccctg tgaagatatt atgggctatg ccttccctag ggtgttgatt tggtcaatta atatactagc catctttggc aacttgacag
1601 tctcttttgt tctctgacc agtoggataa aactgacggt gccocgcttc ctaatgtgta atctctcctt tgcagacttt tgcattggggc tctacctgct
1701 gcctattgcc tcaagttagc ccaaacaaaa aggcacgtac tataaccatg ccatagactg gcagacaggg ctgagctgca gtcagctgag gctctctact
1801 gtgttcgcca gtgaactttc tgcctatacc cttacagtca tcaactctgga aaggtggcac accatcaact atgctgttca gctggaacaa aagctgaggc
1901 tgagacatgc catcccaatt atgctcggag gatggatatt ttctacctg atggccactc tgccccttgt ggggtcagc agttacatga aagtcagcat
2001 cgcacgtccc atgttctgag aatccactct gtcacaagtc tacatattat ccatcttctg cctcaatgca gtggcctttg tctgctctgt tgcctgctac
2101 gttaggatat actttgcaat tcaaaatcca gagctgacgg ctctcaaaaa ggacacaaaa attgctaaaga agatggccat cctcaatctc acagacttca
2201 catgcatggc acccatctca ttctttgcca tctcagctgc cttcaaaagta ccccttatca ctgtcaccaa ctcaaaagtt ctgctggctc tttttatcc
2301 tgtcaactct tgtgccaacc cttttctgta cgcagtgttc aogaaggcat tctcaagaga tttctttctc ttgttgagca ttgtgtgttg ctgtaagcac
2401 cgggctgaac tttacagaag gaaggaattt tctgcatgta ccttcaactc caaaaacggc ttccaagat caagttaagcc ttcccaggct gccctgaagt
2501 tatccatagt gcactgtcaa caaactacac ctcaagagt gtttaattcag taaggcgccg cagtatactc tagagtgcac acccggggaa ttctctgagc
2601 gctcgtctct agcttggcgt aatcattggtc atagctgttt cctgtgtgaa atgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag
2701 tgtaaacgct ggggtgccta atgagtgagc taactcacat taattgcttt gcgctcactc cccgctttcc agtcgggaaa cctgtcgttc cagctgcaat
2801 aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat ttggcgctct tccgctctct cgctcactga ctgctgcgc tcggtcgttc ggtcggcg
2901 acgggtatca cgtcaactca agcggtaaat acggttatcc cagaaatcgg atgaaagca atgtgagcaa aaggccagca aaaggccagc
3001 aaccgtaaaa agcccgctgt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgca cgaacccgca
3101 caggactata aagataccag cgttttcccc ctggaagctc cctcgtgccc tctctgttcc cgaccctgcc gcttacccga tacctgtccc cctttctcc
3201 ttcgggaaag ttcggccttt ctcaatgctc acgctgtagg tatctcagtt agctgttagt ggtgtaggtt aagctgggct gttgtgcaaga acccccctt
3301 cagcccgacc gctgcgctt atccgtaaac tatcgtcttg agtccaacc ggttaagcac gacttatcgc cactggcagc agccactggt aacagatta
3401 gcagagcgag gtagctaggg ggtgctacag agttcttgaa gttgtggcct aactacggct acactagaag gacagtattt ggtactgvc cctgtgaa
3501 cccagttacc ttcggaaaaa gagttgtag atctctagtc ccacaaacaaa ccacgcctgg tttttgtt gcaagcagca gattacgccc
3601 agaaaaaaag gatctcaaga agatcccttg atcttttcta cggggtctga cgcctagtgg aacgaaaaact cacgttaagg gattttggct atgagatt
3701 caaaaaggat ctccacacag atccttttaa attaaaaatg aagtttttaa tcaactcaaa gatatatga gtaaaactgg tctgacagtt accaatgctt
3801 aatcagtgag gcacctatct cagcagatct tctattctgt tcatccatag ttgctgact ccccgctgtg tagataacta cgcataccgga gggcttacca
3901 tctggcccca gtcgctcaat gataccgcga gaccacgct caccggctcc agatttatca gcaataaacc agccagccgg aaggcccgag cgcagaagtg
4001 gtcctgcaac tttatccgcc ctattaattg ttgcccgggaa gctagagtaa gtagttcgcc agttaatag ttgccaacg ttgttgccat
4101 tgctacagcc atcgtgtgtg cacgctcgtc gtttggtagt gcttccgca gctccggttc ccaacgatca aggcgagtt catgatcccc catgttgtgc
4201 aaaaaagcgg ttagtctctt cgttcctccg atcgttgtca gaagtaagtt gggccagtg ttatactca tgggtatggc agcactgcat aattctctta
4301 ctgtcatgcc atccgtaaga tgcctttctg tgactgggta gtaactcaac agatcattct gagaatagtg tatgcccga cccagttgct cttgcccggc
4401 gtcaatacgg gataataccg cgcacatag cagaacttta aaagtgtcct tcattggaaa acgcttcttg gggcgaaaac tctcaaggat cttaccgctg
4501 ttgagatcca gttcgatgta acccaactcg gcaaccaact gatcttccag atcttttact ttcaaccagc tttctgggtg agcaaaaaa ggaaggcaaa
4601 atgcccgaaa aaagggaata agggcgacac ggaatgttg aaactcaata ctctctctt ttcaatatta ttgaagcatt tacaagacct atgtctcat
4701 gagcggatc atatttgaat gtatttagaa aataaaciaa ataggggttc cgcgcacatt tccccgaaa gtgccacctg acgtctaaga aaccattatt
4801 atcatgacat taacctataa aaataggcgt atcaagaggc ccttctgctc

> RDC0684 Translated Insert Sequence

1 mgrrvpalrq llvlamlvlk qsqhlspels gsropepcdc apdgalrcpg praglarlsl tylpvkvips qafrglnevv kieisqsdsl erieanafnd
101 llnlseilq ntknlllyep gaftnlprlk ylsicntgir tlpdvskiss sefnfileic dnlyittipg nafggmnes itlklyngnf eevqshafng
201 ttllislelke niylekmhsg tfqgatgpsi ldvsstklqa lpsghlesiq tliatssysl ktllpsrekft slsvatltyp shccafnrnp keqnfnsfsi
301 fenfskqces tvreannetl ysaifeinel sgwdydydfc spkltlqctpe pdafnpcedi mgyaflrvli wlinilaifg nltvlfvllt srykltvprf
401 lmcnlfsfadf cmglyllllia svdsqtgkgy ynhaidwqtg sgcsaagfft vfiavsvnt ltvitlerwh tityavqldq klrlrhaipi mlggwifstl
501 matlplvgvs symkvsiclp mdvestlsqv yilsillna vafvivicacy vriyfavqyb eltapnkdtk iakkmailif tdfctmapis ffaisaafkv
601 plitvtnskv llvlfypvns canpflyavf tkafqrdfll llsrfgcckh raelryrkef sactfnskng fprsskpsqa alkksivhvc qptpprvliq