*m*GHRHR VersaClone cDNA

Catalog Number: RDC0414

Specifications:

Gene:	*m*GHRHR
Accession:	NP_001003685
Insert size:	1285bp
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

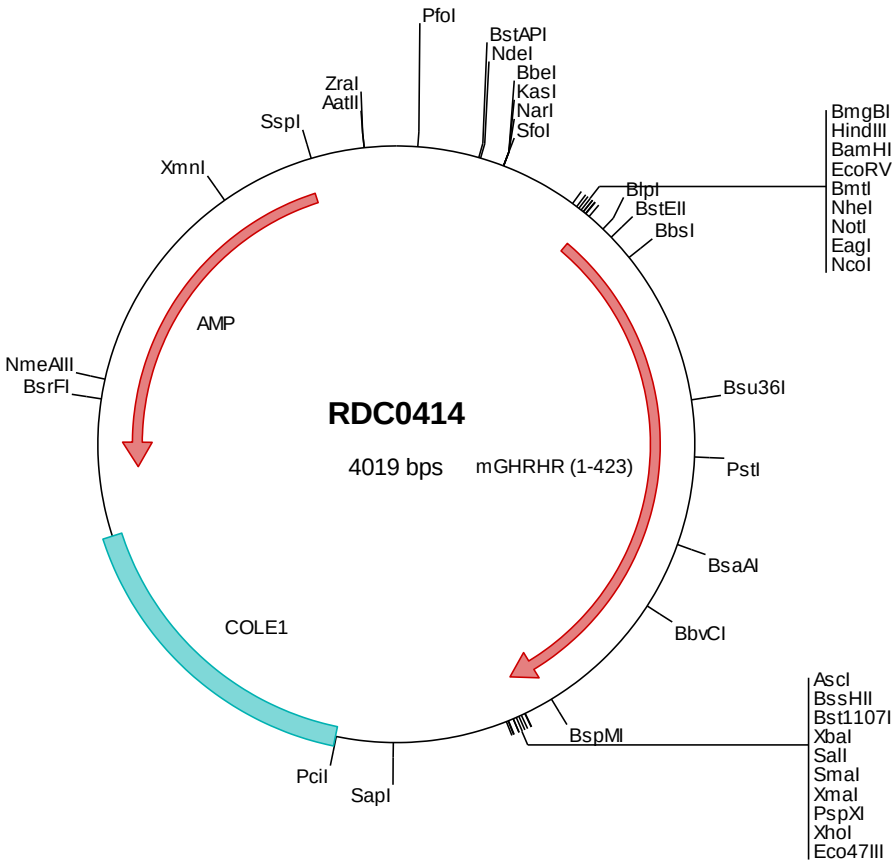
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*GHRHR cDNA Plasmid

Ghrhr growth hormone releasing hormone receptor
[*Mus musculus*]

Also known as: lit; Ghrfr; little

Summary:
The growth hormone (GH)-releasing hormone (GHRH) receptor (GHRHR) belongs to the G protein-coupled receptor family. GHRHR is expressed almost exclusively in the anterior pituitary, where it is necessary for somatotroph cells proliferation and for GH synthesis and secretion. GHRHR is a receptor for growth hormone-releasing hormone. Binding of this hormone to GHRHR leads to synthesis and release of growth hormone.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0414 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggatggcc tgatgtgggc tacccgtatc ctctgcttgc tgagcctgtg
 501  cggagttaca ctgggtcacc tccacctaga atgtgacttc atcactcagc tgagagacga tgagcttgca tgtcttcagg cggcagaggg gaccaacaac
 601  acctccctgg gatgccctgg gacctgggat gggctgctgt gctggccccc aacaggctct ggccagtggg tctctctccc ctgccctgaa ttcttctctc
 701  acttcggctc agacacaggg tttgtgaaga gggactgcac catcactggc tggtctaatc ccttcccacc atacctgtg gcttgccctg tgcccttgga
 801  actgttaacc aaggagaaat cgtacttctc cacggtgaag atcatctaca ccacgggcca cagcatctcc attgtagccc tctgcgtggc tattgccatc
 901  ctggttgccc tcaggaggct ccactgcccc aggaactaca tccacacgca gctgtttgcc accttcatcc tcaaggccag tgctgtgttc ttgaaggatg
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1101  cagctggctg ttggcagaag ctgtctacct gagctgcctg ttggcctcca catcccccag gtccaaacca gctttttggt ggctggtcct ggctggctgg
1201  gggctccccg tgctatgcac tggtacgtgg gtgggctgca aactggcttt tgaggacact gagtgctggg acttagacaa cagctccccc tgctggtgga
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1401  cctacacaca cgggctcagt actggcggct ttccaagtca acacttctcc ttataccgct gtttggaatt cattacatca tcttcaactt cctgcctgac
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1701  ggtgctgacc tctgagtgct aaaggcgcgc cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct agcttggcgt aatcatggtc
1801  atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc
1901  taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg
2001  gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat
2101  acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt
2201  ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc
2301  ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc
2401  acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccccgtt cagcccgacc gctgcgcctt atccggtaac
2501  tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt aacaggatta gcagagcgag gtatgtaggc ggtgctacag
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2701  ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg
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2901  attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt accaatgctt aatcagtgag gcacctatct cagcgatctg
3001  tctatttcgt tcatccatag ttgcctgact ccccgtcgtg tagataacta cgatacggga gggcttacca tctggcccca gtgctgcaat gataccgcga
3101  gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgcc tccatccagt
3201  ctattaattg ttgccgggaa gctagagtaa gtagttcgcc agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc
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3901  aaataaacaa atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt
4001  atcacgaggc cctttcgtc
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> RDC0414 Translated Insert Sequence

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 301  lniicillrk lepaqgglht raqywrlsks tllliplfgi hyiifnflpd sagldirvpl elglgsfqgf ivavlycfln qevrteisrk wyghdpellp
 401  arrtctewtt pprsrlkvlt sec
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