

Specifications:

Gene:	<i>h</i> GHRHR
Accession:	NP_000814
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.

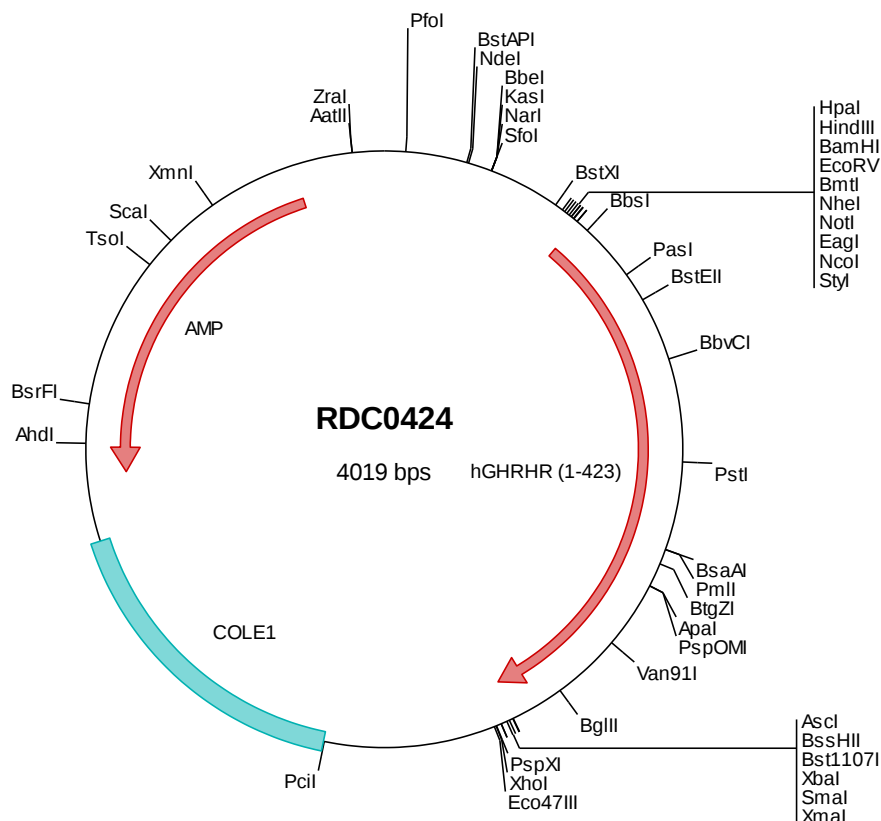
*h*GHRHR cDNA Plasmid

GHRHR growth hormone releasing hormone receptor
[*Homo sapiens*]

Also known as: GRFR; GHRFR;
IGHD1B

Summary:

GHRHR is the receptor for growth hormone releasing hormone (GHRH). It is coupled to G proteins which activate adenylyl cyclase. Mutations in this gene have been associated with isolated growth hormone deficiency (IGHD), also known as Dwarfism of Sindh, a disorder characterized by short stature.





> RDC0424 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tccgtagcgc gggcgccacc atggaccgtc ggatgtgggg agccacagtc tctgtcgtgt tgagcccggt
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3901 aaataaacia atagggttc cgcgcacatt tcccggaaa gtgccacctg acgttcaaga aaccattatt atcatgacat taacctataa aaataggcgt
4001 atcacgaggc ctttctgct

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> RDC0424 Translated Insert Sequence

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201  lckvsvaash fatmtfnswl laeavlylnc lastspssrr afwwlvlagw glpvlftgtw vscklafedi acwdlddts p ywiiikgpi v lsvgvnfglf
301  lniirilvrk lepaggsllt qsqywrsls tlfliplfgi hyiifnflpd naglgiripl elglgsfqgf ivailycfln qevrteisrk whghdpellp
401  awrtrakwtt prsaakvlt smc

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