*h*GLR VersaClone cDNA

Catalog Number: RDC0323

Specifications:

Gene:	*h*GLR
Accession:	NP_000151
Insert size:	1447bp
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

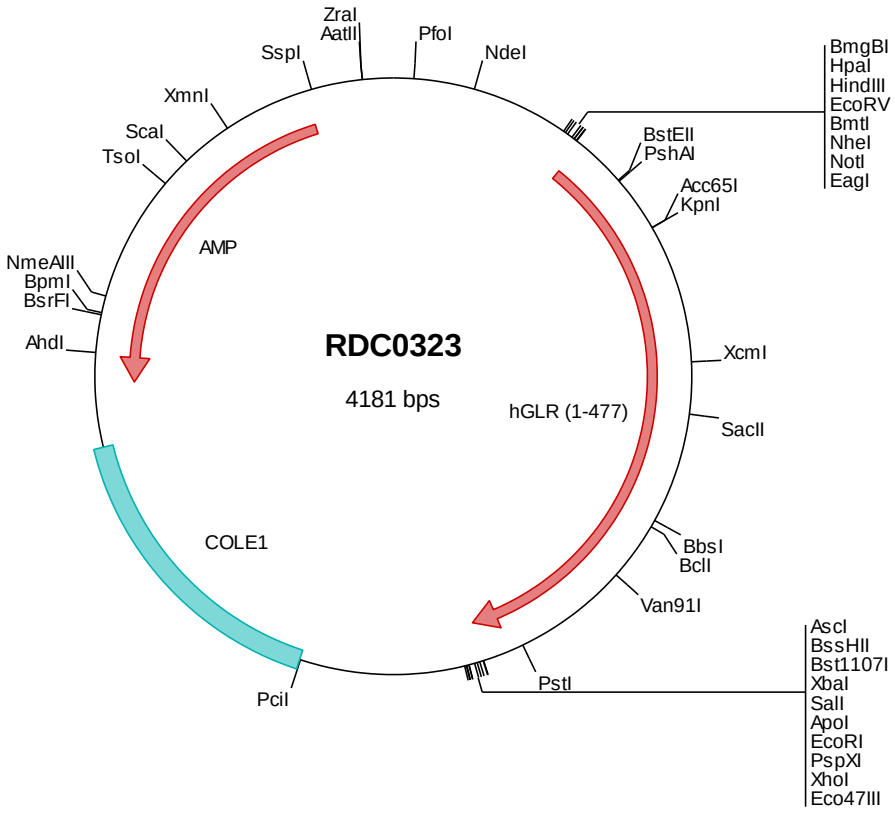
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GLR cDNA Plasmid

GCGR glucagon receptor [*Homo sapiens*]

Also known as: GGR

Summary:
GLR is a receptor for glucagon which plays a central role in regulating the level of blood glucose by controlling the rate of hepatic glucose production and insulin secretion. The activity of GLR is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in GLR are a cause of non-insulin-dependent diabetes mellitus.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0323 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 atgccccgct gccagccaca gcgacccctg ctgctgttgc tgctgctgct
 501  ggcctgccag ccacaggtcc cctccgctca ggtgatggac ttcctgtttg agaagtggaa gctctacggt gaccagtgtc accacaacct gagcctgctg
 601  ccccctccca cggagctggt gtgcaacaga accttcgaca agtattcctg ctggccggac acccccgcca ataccacggc caacatctcc tgcccctggt
 701  acctgccttg gcaccacaaa gtgcaacacc gcttcgtgtt caagagatgc gggcccgacg gtcagtgggt gcgtggaccc cgggggcagc cttggcgtga
 801  tgcctcccag tgccagatgg atggcgagga gattgaggtc cagaaggagg tggccaagat gtacagcagc ttccaggtga tgtacacagt gggctacagc
 901  ctgtccctgg gggccctgct cctcgccttg gccatcctgg ggggcctcag caagctgcac tgcacccgca atgccatcca cgcgaatctg tttgcgtcct
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1101  tgatggagcg gtggctggct gccgtgtggc cgcggtgttc atgcaatatg gcatcgtggc caactactgc tggctgctgg tggagggcct gtacctgcac
1201  aacctgctgg gcctggccac cctccccgag aggagcttct tcagcctcta cctgggcatc ggctggggtg cccccatgct gttcgtcgtc ccctgggcag
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1501  acgctgaccc tcatccctct gctgggcgtc cacgaagtgg tctttgcctt cgtgacggac gagcacgccc agggcaccct gcgctccgcc aagctcttct
1601  tcgacctctt cctcagctcc ttccagggcc tgctggtggc tgtcctctac tgcttcctca acaaggaggt gcagtcggag ctgcggcggc gttggcaccg
1701  ctggcgcctg ggcaaagtgc tatgggagga gcggaacacc agcaaccaca gggcctcatc ttcgcccggc cacggccctc ccagcaagga gctgcagttt
1801  gggaggggtg gtggcagcca ggattcatct gcggagaccc ccttggctgg tggcctccct agattggctg agagcccctt ctaaaggcgc gccagtatac
1901  tctagagtcg acacccgggg aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa
2001  ttccacacaa catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac tgcccgcttt
2101  ccagtcggga aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc ctcgctcact
2201  gactcgctgc gctcggtcgt tcggctgcgg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaga
2301  acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa
2401  tcgacgctca agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc ccctggaagc tccctcgtgc gctctcctgt tccgaccctg
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3001  ctcacgttaa gggattttgg tcatgagatt atcaaaaagg atcttcacct agatcctttt aaattaaaaa tgaagtttta aatcaatcta aagtatatat
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> RDC0323 Translated Insert Sequence

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101  gpdgqwvrgp rgqpwrdasq cqmdgeeiev qkevakmyss fqvmytvgys lslgalllal ailgglsklh ctrnaihanl fasfvlkass vlvidgllrt
201  rysqkigddl svstwlsdga vagcrvaavf mqygivanyc wllveglylh nllglatlpe rsffslylgi gwgapmlfvv pwavvkclfe nvqcwtsndn
301  mgfwwilrfp vflailinff ifvrivqllv aklrarqmhh tdykfrlaks tltlipllgv hevvfafvtd ehaqgtlrsa klffdlflss fqgllvavly
401  cflnkevqse lrrrwhrwrl gkvlweernt snhrassspg hgppskelqf grgggsqdss aetplagglp rlaespf
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