

Specifications:

Gene:	hGIPR
Accession:	NP_000155
Insert size:	1412bp
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.

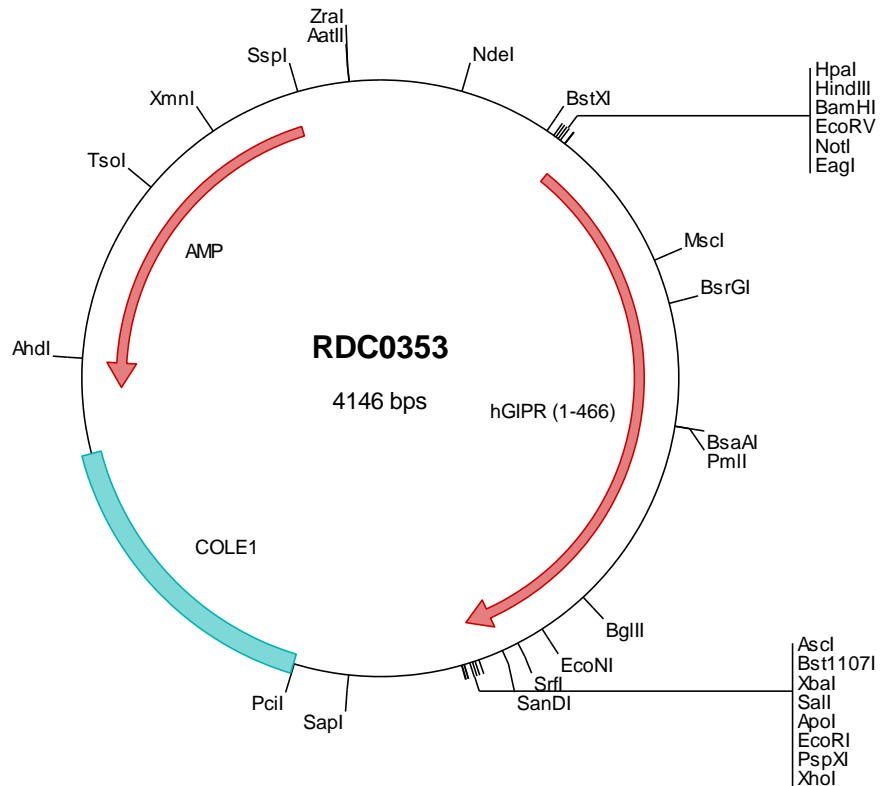
hGIPR cDNA Plasmid

GIPR gastric inhibitory polypeptide receptor [*Homo sapiens*]

Also known as: PGQL2;
MGC126722

Summary:

GIPR is a G protein-coupled receptor for gastric inhibitory polypeptide (GIP) which was originally identified in gut extracts. It inhibits gastric acid secretion and gastrin release. GIPR stimulates insulin release in the presence of elevated glucose. Defects in GIPR may contribute to the pathogenesis of diabetes.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0353 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggccgct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgactacct ctccgatact gcagctgctg ctgcggctct cactgtgcgg
501 gctgctgctc cagagggcgg agacaggctc taaggggcag acggcggggg agctgtacca gcgctgggaa cggtaaccga gggagtgcca ggagacctg
601 gcagcgcggg aaccgccttc aggoctcgcc tghtaacgggt ccttcogata gtaogctgc tgggactatg ctgcacccaa tgccaactgcc cgtgcgtcct
701 gcccctgta cctgccttg caccaccatg tggctgcagg tttcgtctc cgcagctgtg gcagtgatgg ccaatgggga ctttggagag accatacaca
801 atgtgagaac ccagagaaga atgaggcctt ctctggaccaa aggcctcatct tggagcgggt gcaggtcoatg tacactgtcg gctactccct gtctctgccc
901 acaactgctg tagcctgct catottgagt ttgttcaggc ggctacattg cactagaaac tatatccaca tcaactgtt cacgtcttcc atgctgogag
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2001 aaagcctggg gtgcctaatt agtgagctaa ctcaacataa ttgcgttggc ctactgccc gctttccagt cgggaaacct gtcgtgcccag ctgcattaat
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2601 cccgaccgt gcgcttctc cggtaactat cgtctttagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggttagca
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3601 tcatgccatc cgtcaagatg tttctgtgta ctggtgagta ctcaaccaag tcattctgag aatagtgat gcggcgacc agttgctct gcccgcgctc
3701 aatacgggat aataccgccc cacatagcag aactttaaaa gttcctcaca ttggaaaaacg tttctcgggg cgaaaaact caagatctt gcccgctgtg
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> RDC0353 Translated Insert Sequence

1 mttspilqll lrslcgl11l qraetgskgq tagelyqrwe ryrrecqetl aaaeppsgla cngsfmmyvc wdyaapnata rascpwy1pw hhhvaagfvl
101 rqcgsdqgwg lwrdrhtqcen pekneafldq rlilerlqvm ytvgyisls1a tlllallils lfrrlhctrn yihinlftsf mlraaa1lsr drllprpgpy
201 lqdqalalwn qalaacrtaq ivtqyvcgan ytwllvegvy lhsllvlvvg seeghfryyl llgwgapalf vipwv1vryl yentqcwern evkaiw1iir
301 tp1mltilin flifirilgi llsklrtrqm rcrdyrlrla rstllvpl1 gvhevfvapv teeqargalr faklgfeifl sffqglf1sv lycfinkevq
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