*m*GIPR VersaClone cDNA

Catalog Number: RDC1024

Specifications:

Gene:	*m*Gipr
Accession:	NP_001074284
Insert size:	1396bp
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

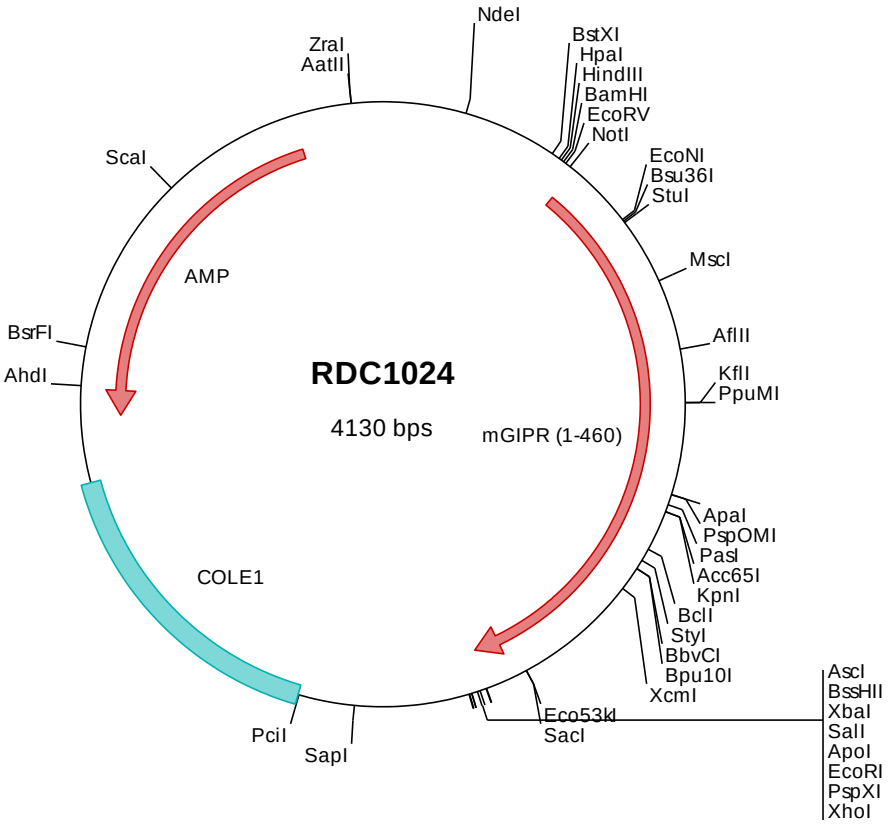
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*GIPR cDNA Plasmid

Gipr gastric inhibitory polypeptide receptor [*Mus musculus* (house mouse)]

Also known as: GIP-R; Gm160; Gm1081

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 also 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

> RDC1024 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atgcccctgc ggttgctgct tctgctgctg tggttgtggg gactccagtg
 501  ggcggagaca gactctgagg ggcagaccac cacgggggag ctgtaccagc gctgggagca ctacggccag gagtgccaaa agatgttgga gaccacagaa
 601  cctccctcag gcctggcctg taacggttcc ttcgatatgt atgcctgctg gaactacacg gccgccaaca ccactgctcg ggtgtcttgc ccctggtatc
 701  tgccctggtt ccgtcaggtg tctgcaggct ttgtcttccg ccagtgtggc agtgatggcc agtggggatc ttggagagac cacactcagt gtgagaatcc
 801  agagaagaat ggggcttttc aggaccagac gctgatcctg gagcgcctgc agatcatgta taccgtgggc tactccctgt ccctgacgac tctgctgcta
 901  gccctactca tcttaagttt gttcaggcgg ctgcactgca ctcgtaatta cattcacatg aacctgttca cgtctttcat gctgcgggca gcagccatcc
1001  tcacccgaga tcagctgctg cctccactgg gtccctacac tggagaccag gcccctaccc cgtggaacca ggccctagct gcctgccgca cggcccagat
1101  catgacccaa tattgtgtgg gagccaatta cacctggcta ctggtggagg gtgtttatct gcaccatctg ctggtgatcg tgggacgctc agaaaagggc
1201  cacttccgct gctacctgct tcttggctgg ggggcccccg cgcttttcgt cattccctgg gtgatcgtca ggtacctgcg cgagaacaca cagtgctggg
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1401  tgtttcaaag ctgaggacac ggcagatgcg ctgccccgac taccgactaa ggctggctcg ctccacgctg acactggtgc ccctgctggg tgtccacgag
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1601  tgagcgtgct ctactgcttc atcaacaaag aggtgcagtc ggagatccgc cagggttggc gccaccgccg cctgcgtctc agtcttcaag agcagcgtcc
1701  acgtccgcac caggaactcg ccccccgggc tgtgcctttg agctctgcgt gccgagaagc tgccgttggc aacgccttgc cctctgggat gctgcatgtg
1801  cctggggatg aggtcttgga aagttactgc taaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc tagcttggcg
1901  taatcatggt catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgcct
2001  aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc
2101  ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc gagcggtatc agctcactca
2201  aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt
2301  tgctggcgtt tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca
2401  ggcgtttccc cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg atacctgtcc gcctttctcc cttcgggaag cgtggcgctt
2501  tctcaatgct cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccccgt tcagcccgac cgctgcgcct
2601  tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg
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2801  agagttggta gctcttgatc cggcaaacaa accaccgctg gtagcggtgg ttttttgtgtt tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag
2901  aagatccttt gatcttttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggattttggt catgagatta tcaaaaagga tcttcaccta
3001  gatcctttta aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaacttg gtctgacagt taccaatgct taatcagtga ggcacctatc
3101  tcagcgatct gtctatttcg ttcatccata gttgcctgac tccccgtcgt gtagataact acgatacggg agggcttacc atctggcccc agtgctgcaa
3201  tgataccgcg agacccacgc tcaccggctc cagatttatc agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc
3301  ctccatccag tctattaatt gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg
3401  tcacgctcgt cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct
3501  tcggtcctcc gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgtcatgc catccgtaag
3601  atgcttttct gtgactggtg agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc tcttgcccgg cgtcaatacg ggataatacc
3701  gcgccacata gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt
3801  aacccactcg tgcacccaac tgatcttcag catcttttac tttcaccagc gtttctgggt gagcaaaaac aggaaggcaa aatgccgcaa aaaagggaat
3901  aagggcgaca cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa
4001  tgtatttaga aaaataaaca aatagggttc ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata
4101  aaaataggcg tatcacgagg ccctttcgtc
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> RDC1024 Translated Insert Sequence

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 101  sdgqwgswrd htqcenpekn gafqdqtlil erlqimytvg yslslttlll allilslfrr lhctrnyihm nlftsfmlra aailtrdqll pplgpytgdq
 201  aptpwnqala acrtaqimtq ycvganytwl lvegvylhhl lvivgrsekg hfrcylllgw gapalfvipw vivrylrent qcwernevka iwwiirtpil
 301  itilinflif irilgilvsk lrtrqmrcpd yrlrlarstl tlvpllgvhe vvfapvteeq vegslrfakl afeiflssfq gflvsvlycf inkevqseir
 401  qgwrhrrlrl slqeqrprph qelapravpl ssacreaavg nalpsgmlhv pgdevlesyc
```