

Specifications:

Gene:	hGLP2R
Accession:	NP_004237
Insert size:	1675bp
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.

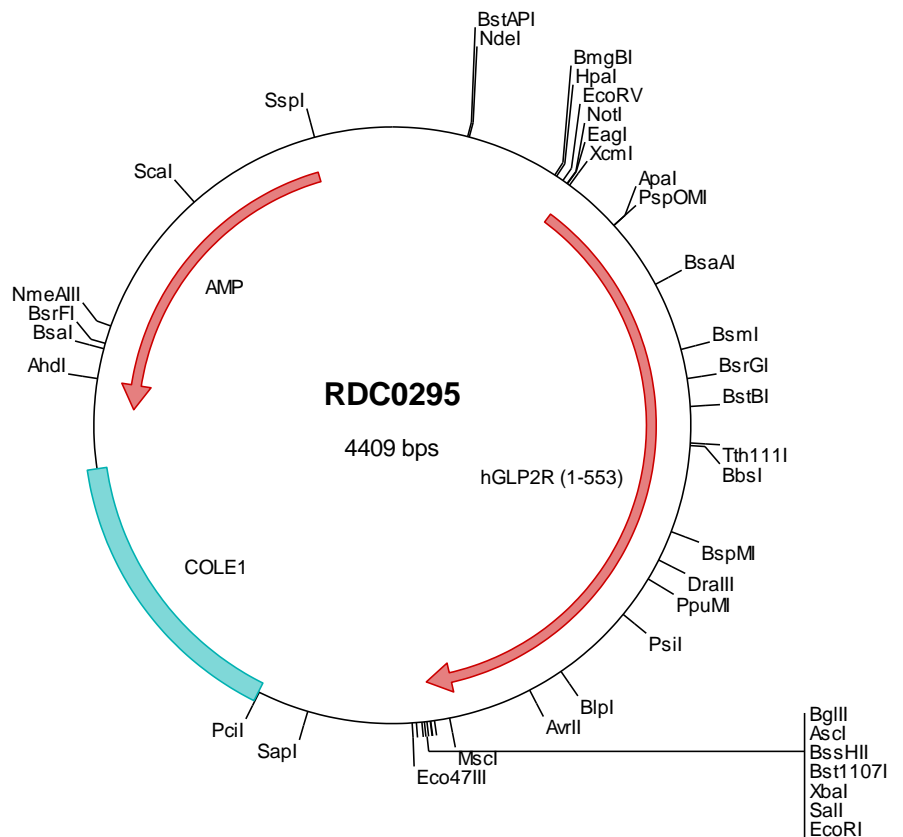
hGLP2R cDNA Plasmid

GLP2R glucagon-like peptide 2 receptor [*Homo sapiens*]

Also known as: GLP2-R

Summary:

GLP2R is a G protein-coupled receptor superfamily member closely related to the glucagon receptor GLP1R. Glucagon-like peptide-2 (GLP2) is a 33-amino acid proglucagon-derived peptide produced by intestinal enteroendocrine cells. Like glucagon-like peptide-1 (GLP1) and glucagon itself, it is derived from the proglucagon peptide. GLP2 stimulates intestinal growth and upregulates villus height in the small intestine, concomitant with increased crypt cell proliferation and decreased enterocyte apoptosis. Through GLP2R, GLP2 prevents intestinal hypoplasia resulting from total parenteral nutrition.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0295 Plasmid DNA Sequence

1 tcgctgcttt cggatgatgac ggtgaaacc tetgacacat gacgctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt ttcccagtc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaagctgg gatcagcag ggcagggcct gggagaggaa gcgcgggact
501 cctgctgggc gtccacgagc tccccatggg catccctgcc ccctggggga ccagtcctct cctcttocac aggaagtgtc ctctctgggc cctctggagg
601 ccttctca ctctggtct gctgggttcc atoaagcaag ttacaggat cctctctgag gaaacgactc ggaagtgggc tcagtacaaa caggcatgtc
701 tgagagactt actcaaggaa ccttctggca tattctgtaa cgggacattt gatcagtaag tgtgttggcc tcattctctt cctggaatg tctctgtacc
801 ctgcccctca tacttaoctt ggtggagtga agagagctca ggaaggcct acagacactg cttggctcag gggacttggc agcctgata gaacgcaacg
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2201 cctgtgtgaa attgttatcc gctcacaact ccacacaaca tacgagccgg aagcataaag tgtaaagctt ggggtgctca atgagttagc taactcacat
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3101 ggcaaaaaaa ccacgcctgg tagcgggtgt tttttgttt gcaagcagca gattacgcgc agaaaaaag gatctcaaga agatcctttg atcttttcta
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4401 ccttctgctc

> RDC0295 Translated Insert Sequence

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201 lflrklhctr nyihmnlfas filrtlavlv kdvvfyfnsys krpdnengwm sylsemstsc rsvqvllyhf vganlyllwlv eglylhltle ptvlperrlw
301 prylllgwaf pvlfvvpgwf arahlentgc wttngnkkiw wiirgpmmlc tvnffiflk ilklilsklk ahqmcfrdyk yrlakstlvl ipllgvheil
401 fsfitddqve gfkalirifi qltllssfhgf lvalqygfan gevkaerky wvrflarhs gcracvlgkd frflgkcpkk lsegdgaekl rklqpsinsg
501 rllhlamrql gelgaqpqgd harwprgssl secsegdvtm antmeeliee sei