

Specifications:

Gene:	mGpr21
Accession:	NP_796357
Insert size:	1063bp
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.

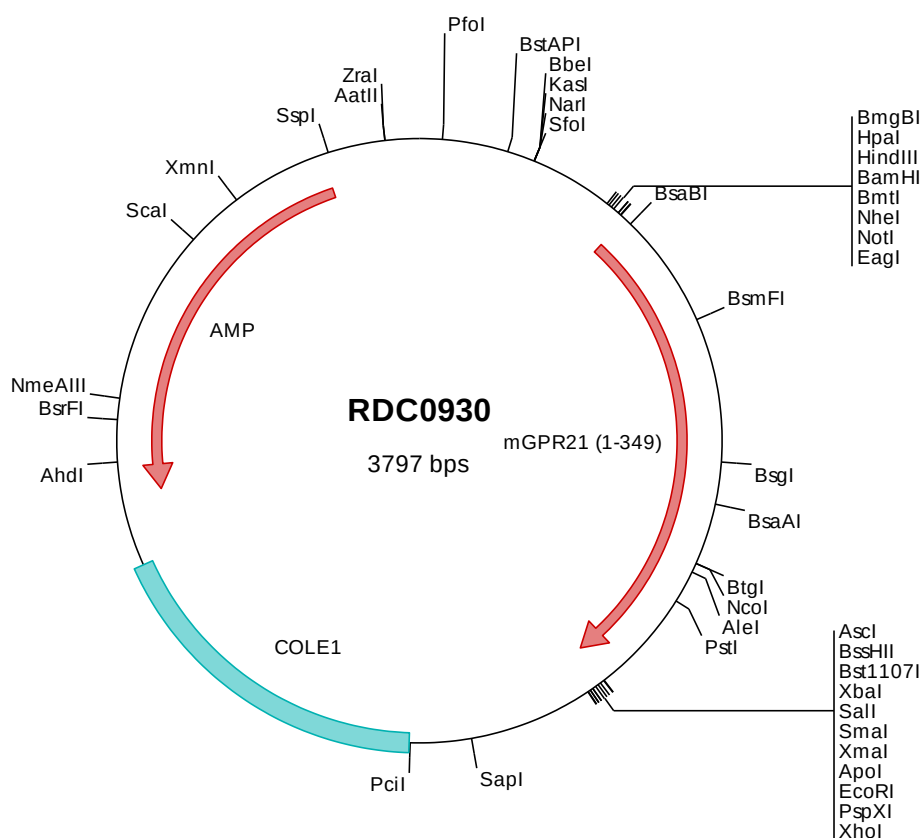
mGPR21 cDNA Plasmid

Gpr21 G protein-coupled receptor 21 [*Mus musculus* (house mouse)]

Also known as: C230004C13Rik

Summary:

GPR21 belongs to the G protein-coupled receptor 1 family. GPR21 is a 349 amino acid multi-pass membrane protein that functions as an orphan receptor. G protein-coupled receptors translate extracellular signals into intracellular signals and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR21 activates a Gq signal transduction pathway which mobilizes calcium.





> RDC0930 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaagtgtct caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgccacc atgaactoca cctgggatgg taatcagagc agccatcctt tctgtcttct
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601  ttgtgttttc actgtgcacc tctgttgaa cactatttota caagtatttt ttttcagaca atggcatatg ctgacctctt ggttggggta agctgcctgg
701  tcccttcctt atcactcctc tactacccct ttccgattga ggagggccatg acttgccaag tatttggttt tgtagtgtca gttctgaaga gtatctctat
801  ggctctctcg gctgtatoca gcaattgatg atatatggcc atcactaagc ctttaaccta taataccctg gttactccct ggagactacg cctctgtatt
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> RDC0930 Translated Insert Sequence

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101  tcqvfgfvvs vlksismasl acisidryia itkpltyntl vtpwrlrlci fliwlystlv flpsffhwgk pyhgdvfgw caeswhtnsy ftlfivmmlly
201  apaalivcft yfnifricqg htkeiserqa rfssqngctg epqtcpdkry amvlfritsv fyv1wlpyii yfllesstgc ssrlasfltt wlaisnsfcn
301  ciisylsnsv fqrqlk1slg slctscasht takdpytvrc kgppngshi
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