

Specifications:

Gene:	mGpr161
Accession:	NP_001074595
Insert size:	1689bp
Concentration:	10µg at 0.2µg/µL

mGPR161 cDNA Plasmid

**Gpr161 G protein-coupled
receptor 161 [*Mus musculus*
(house mouse)]**

Also known as: vl; Gm208;
Gm208Gpr

Summary:

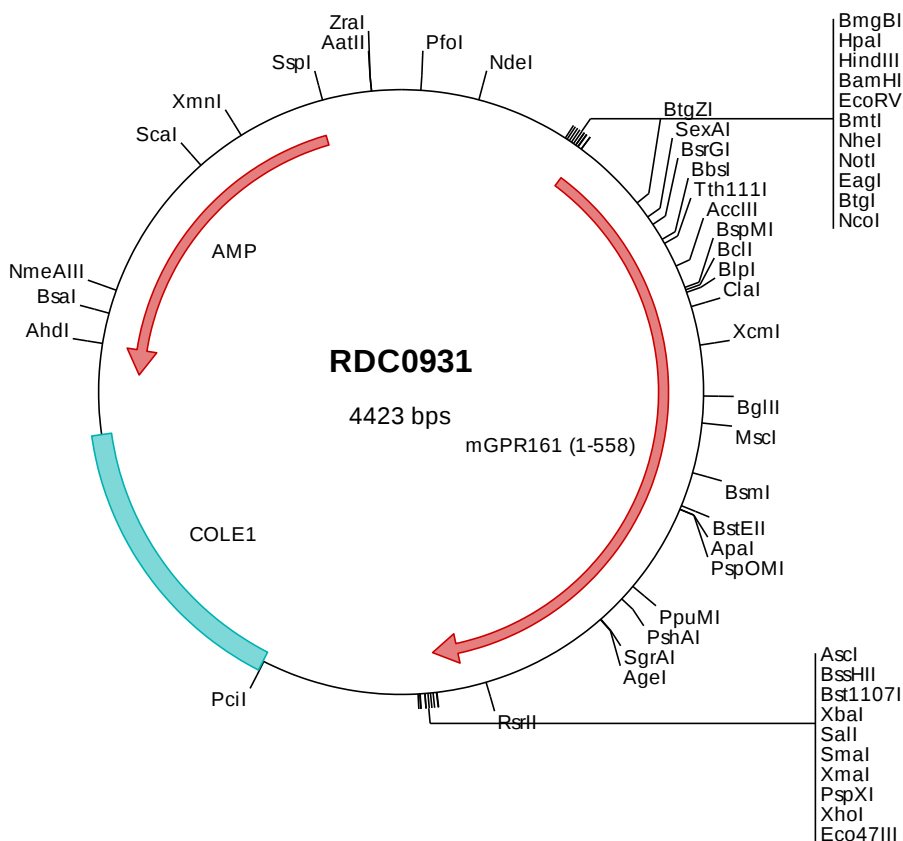
GPR161 belongs to the G protein-coupled receptor 1 family. It is a negative regulator of Shh signaling, which promotes the processing of GLI3 into GLI3R during neural tube development. Mutations in GPR161 are responsible for the vacuolated lens (vl) phenotype that is characterized by neural tube defects and congenital cataracts. Alternatively spliced transcripts encoding different proteins have been described.

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.





> RDC0931 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
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401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcaccc atggaactgc accacaccac acacactctc ttggctgtat ttccctgtctg
501  cagcatgct ctgctaccc catcccgagg ggcaactgacc atgagcctca actcctccct cagctacagg aaggaactga gcaacctcac tgcaacagag
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> RDC0931 Translated Insert Sequence

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