

Product datasheet for RC210811L2

OriGene Technologies, Inc.

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Gastric Inhibitory Polypeptide Receptor (GIPR) (NM_000164) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gastric Inhibitory Polypeptide Receptor (GIPR) (NM_000164) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Gastric Inhibitory Polypeptide Receptor

Synonyms: PGQTL2

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

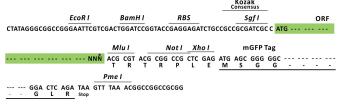
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210811).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_000164

ORF Size: 1398 bp



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OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

- 1. Centrifuge at 5,000xg for 5min.
- 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
- 3. Close the tube and incubate for 10 minutes at room temperature.
- 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
- 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: <u>NM 000164.2</u>

 RefSeq Size:
 2024 bp

 RefSeq ORF:
 1401 bp

 Locus ID:
 2696

 UniProt ID:
 P48546

Cytogenetics: 19q13.32

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 53 kDa

Protein Families:

Gene Summary: This gene encodes a G-protein coupled receptor for gastric inhibitory polypeptide (GIP), which

Druggable Genome, GPCR, Transmembrane

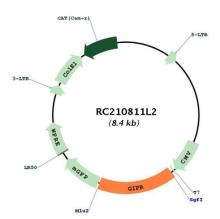
was originally identified as an activity in gut extracts that inhibited gastric acid secretion and gastrin release, but subsequently was demonstrated to stimulate insulin release in the presence of elevated glucose. Mice lacking this gene exhibit higher blood glucose levels with

impaired initial insulin response after oral glucose load. Defect in this gene thus may

contribute to the pathogenesis of diabetes. [provided by RefSeq, Oct 2011]



Product images:



Circular map for RC210811L2