

## **Product datasheet for RC213901L3**

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OriGene Technologies, Inc.

## GUCY2C (NM\_004963) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** GUCY2C (NM\_004963) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: GUCY2C

Synonyms: DIAR6; GC-C; GUC2C; MECIL; MUCIL; STAR

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

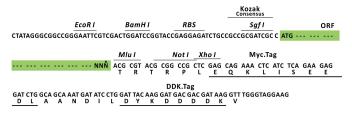
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC213901).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_004963

ORF Size: 3219 bp





## GUCY2C (NM\_004963) Human Tagged Lenti ORF Clone - RC213901L3

**OTI Disclaimer:** 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. More info

**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 004963.1</u>

RefSeq Size:3745 bpRefSeq ORF:3222 bpLocus ID:2984

 UniProt ID:
 P25092

 Cytogenetics:
 12p12.3

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** Purine metabolism

MW: 123.2 kDa

**Gene Summary:** This gene encodes a transmembrane protein that functions as a receptor for endogenous

peptides guanylin and uroguanylin, and the heat-stable E. coli enterotoxin. The encoded protein activates the cystic fibrosis transmembrane conductance regulator. Mutations in this

gene are associated with familial diarrhea (autosomal dominant) and meconium ileus

(autosomal recessive). [provided by RefSeq, Nov 2016]