

Specifications:

Gene:	hGUCY2C
Accession:	NP_004954
Insert size:	3337bp
Concentration:	10µg at 0.2µg/µL

**hGUCY2C cDNA
Plasmid**

GUCY2C guanylate cyclase 2C
[*Homo sapiens* (human)]

Also known as: GC-C; STAR; DIAR6;
GUC2C; MECIL; MUCIL

Summary:

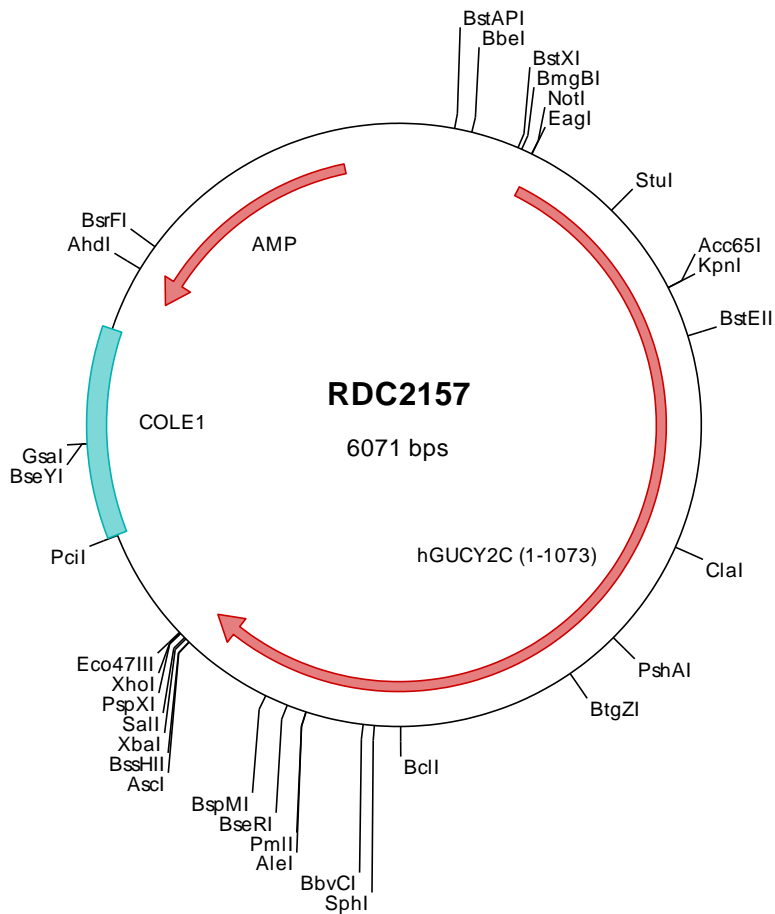
GUCY2C is a transmembrane protein that functions as a receptor for endogenous peptides guanylin and uroguanylin, and the heat-stable *E. coli* enterotoxin. It activates the cystic fibrosis transmembrane conductance regulator. Mutations in GUCY2C are associated with familial diarrhea (autosomal dominant) and meconium ileus (autosomal recessive).

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

