

Specifications:

Gene:	rGalr2
Accession:	NP_062045
Insert size:	1132bp
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.

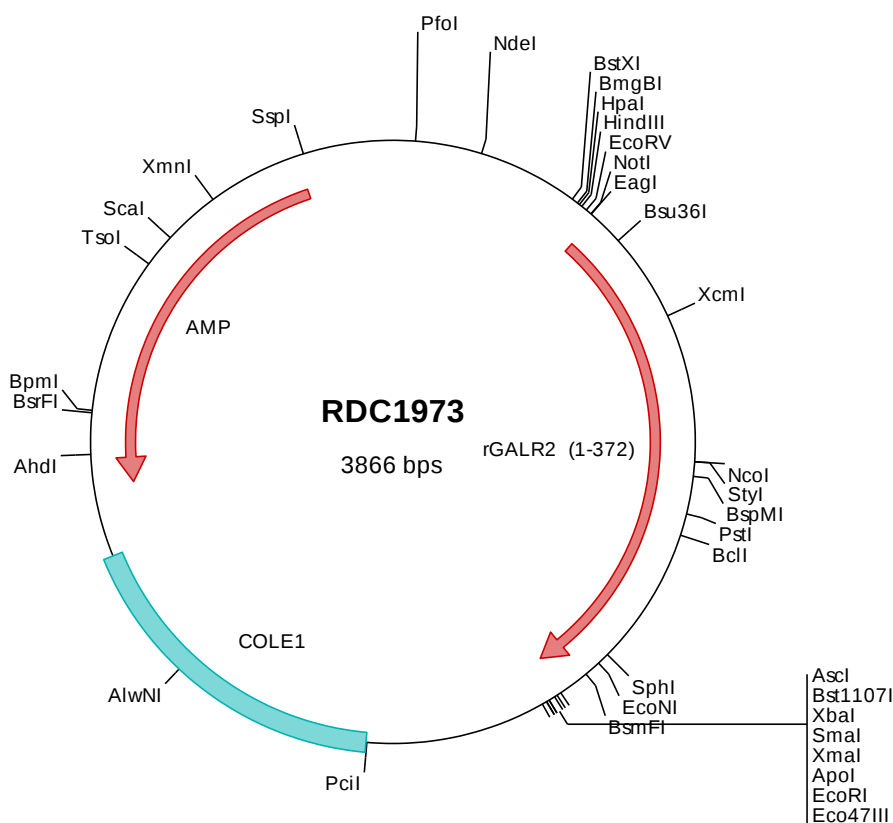
rGalanin R2 cDNA Plasmid

Galr2 galanin receptor 2 [*Rattus norvegicus* (Norway rat)]

Also known as: GAL2-R; GALR-2

Summary:

The neuropeptide galanin mediates a diverse spectrum of biologic activities by interacting with specific G protein-coupled receptors (GPCRs), such as GALR1 and GALR2. GALR2 interacts with the N-terminal residues of the galanin peptide. The primary signaling mechanism for GALR2 is through the phospholipase C/protein kinase C pathway. GALR2 is a possible target for therapeutic intervention in pheochromocytoma.



> RDC1973 Plasmid DNA Sequence

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> RDC1973 Translated Insert Sequence

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