

Specifications:

Gene:	rGalr1
Accession:	NP_037090
Insert size:	1054bp
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.

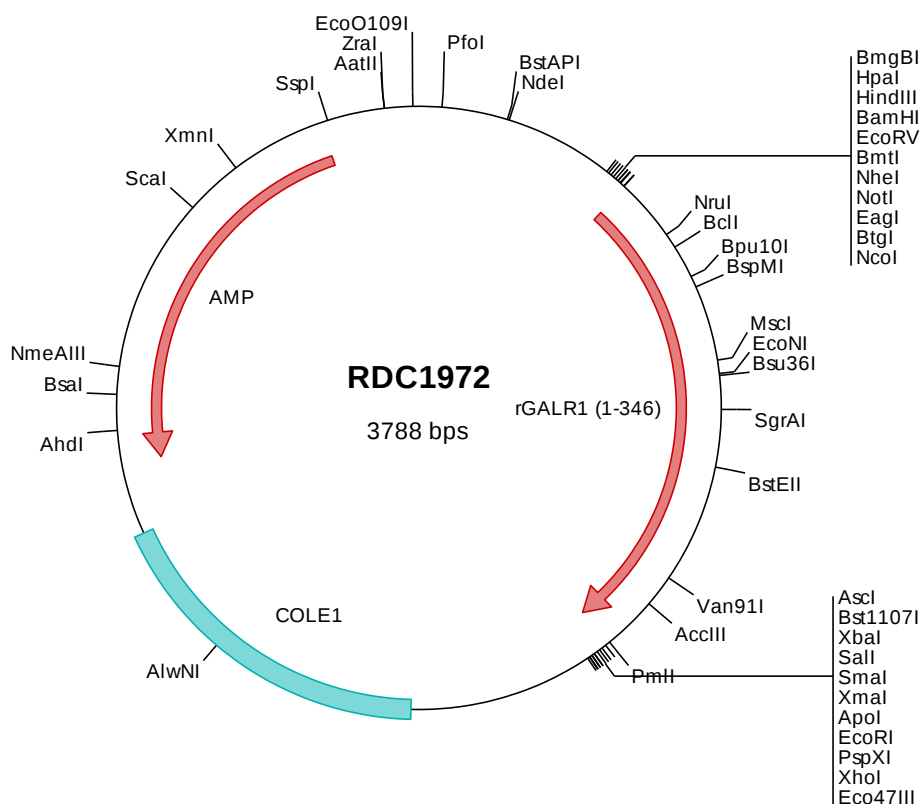
rGalanin R1 cDNA Plasmid

Galr1 galanin receptor 1 [*Rattus norvegicus* (Norway rat)]

Also known as: Galnr1

Summary:

The neuropeptide galanin elicits a range of biological effects by interaction with specific G protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart.



> RDC1972 Plasmid DNA Sequence

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> RDC1972 Translated Insert Sequence

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