

Specifications:

Gene:	hGALR2
Accession:	NP_003848
Insert size:	1177bp
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.

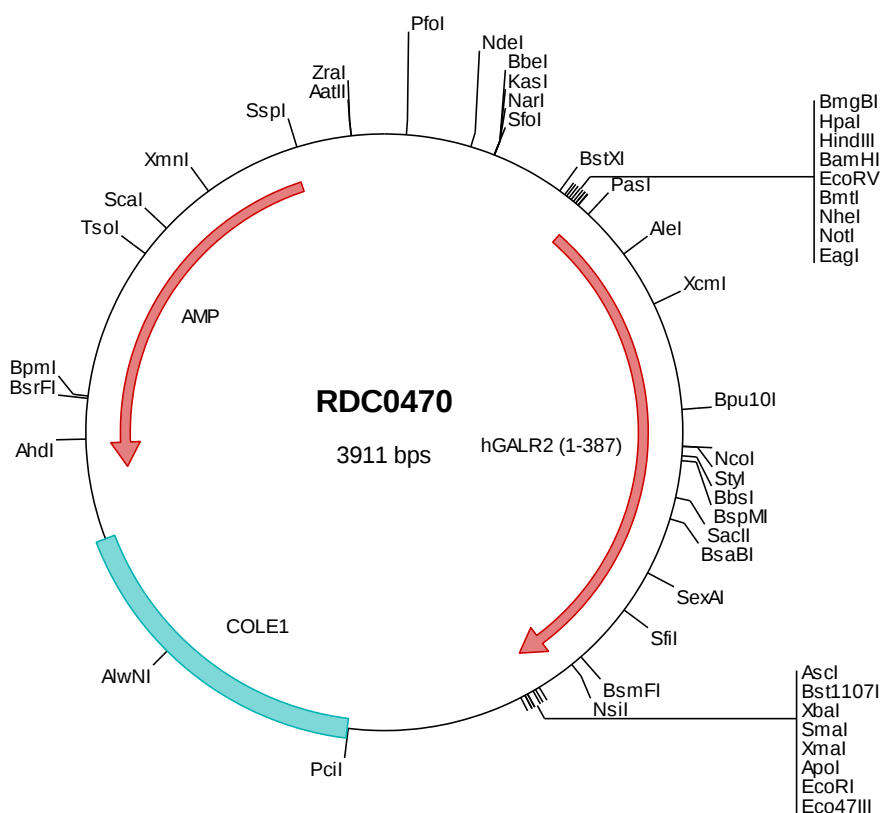
hGalanin R2 cDNA Plasmid

GALR2 galanin receptor 2 [*Homo sapiens*]

Also known as: GALNR2

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.





> RDC0470 Plasmid DNA Sequence

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1   tcgcgcggttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
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501  cggggggagcg tggcaccocg aggcggatcat cgtgccccctg ctcttcgcgc tcatcttctt cgtgggcacc gtgggcaaca cgtggtgtct ggcggtgctg
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701  ccatctacac cctggacggc tgggtgttcg gctcgtctct gtgcaaggcg gtgcacttcc tcatcttctt caccatgcac gccagcagct tccagctggc
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3901 gccctttcgt c
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> RDC0470 Translated Insert Sequence

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201  lvgltiyart lrylwrvdp vaagsgarra krkvtrmili vaalfclcwmm phhalilcvw fgqfpltrat yalrilshlv syansecvni vyalvskhfr
301  kgfrticagl lgraggrasg rvcaaaargth sgsvleress dlhlmseaag alrpcpgasq pcilepcpgp swqgpkagds iltvdva
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