

Specifications:

Gene:	hGPR50
Accession:	AAI03697
Insert size:	1866bp
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.

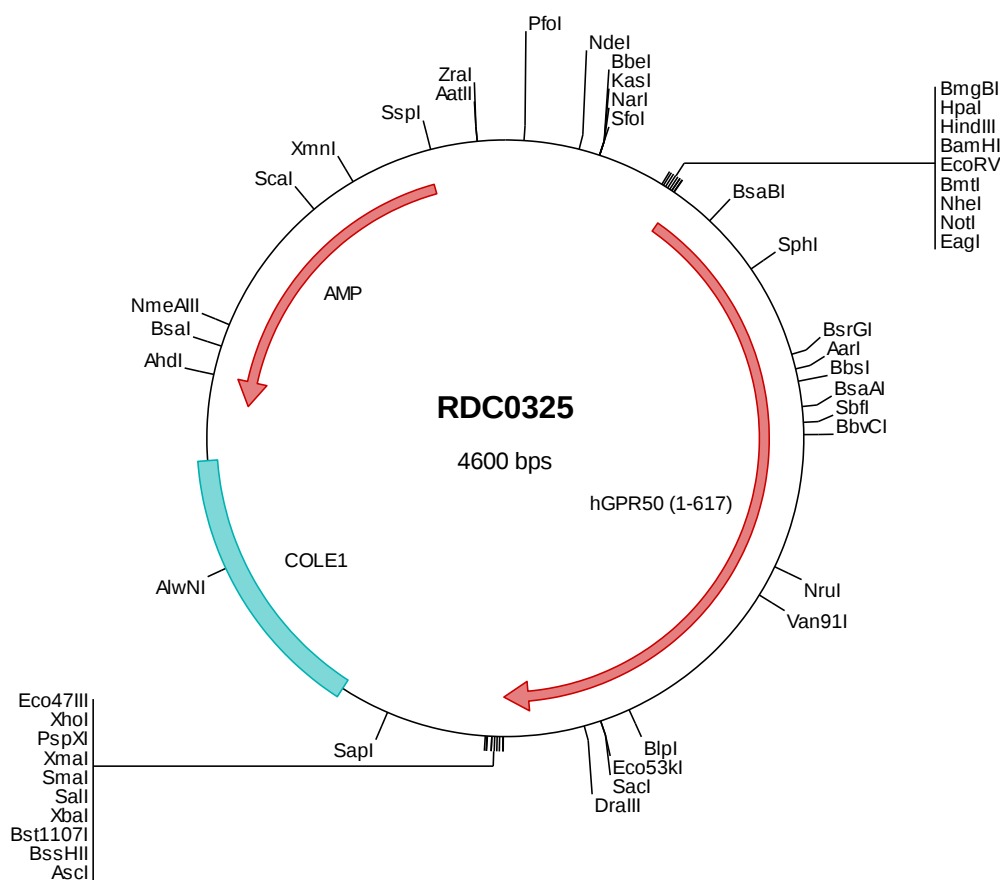
hGPR50 cDNA Plasmid

GPR50 G protein-coupled receptor 50 [*Homo sapiens*]

Also known as: H9; Mel1c

Summary:

GPR50 belongs to the G protein-coupled receptor 1 family. It is expressed in the hypothalamus and pituitary. Even though GPR50 shares similarity with the melatonin receptors, it does not bind melatonin, however, it inhibits melatonin receptor 1A function through heterodimerization. Polymorphic variants of GPR50 have been associated with bipolar affective disorder in women.





> RDC0325 Plasmid DNA Sequence

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> RDC0325 Translated Insert Sequence

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