

## Specifications:

Gene:	mGNRHR
Accession:	NP_034453
Insert size:	997bp
Concentration:	10µg at 0.2µg/µL

## mGNRHR cDNA Plasmid

**Gnrhr gonadotropin releasing hormone receptor [ *Mus musculus* ]**

**Also known as:** GnRHR

### Summary:

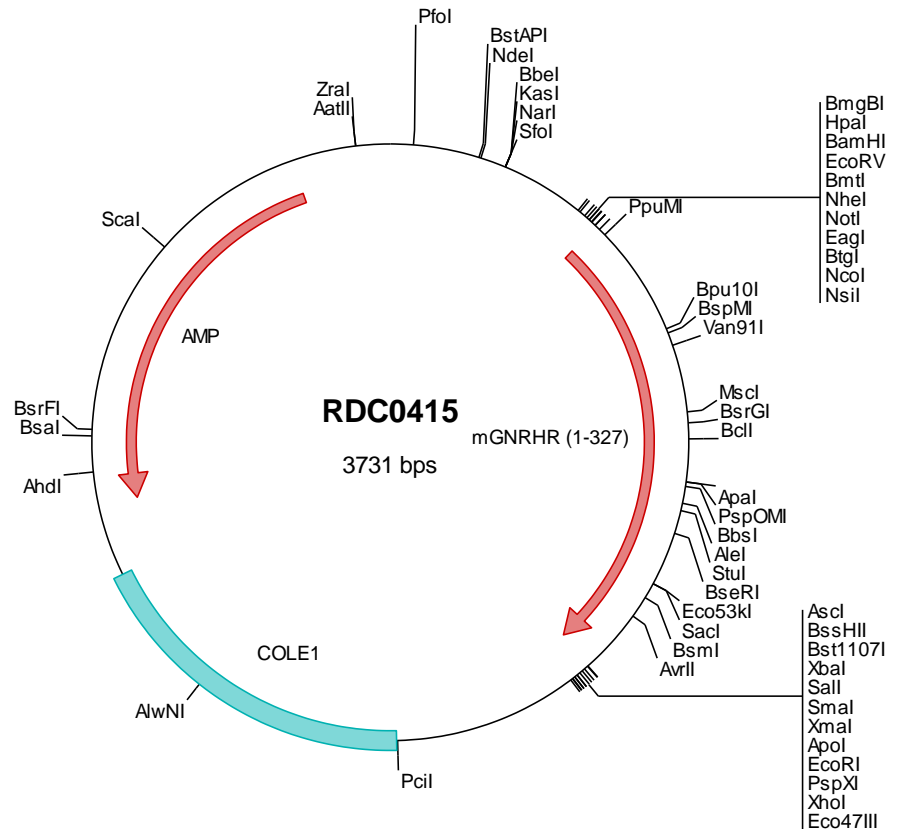
Gonadotropin-releasing hormone (GNRH) is secreted from hypothalamic neurons (GNRH neurons) located in brain areas that process olfactory and pheromonal cues. GNRH neurons have a receptor, GNRHR, belonging to the G protein-coupled receptor family. GNRHR neurons have also been identified in areas influencing sexual behaviors. The stimulation of this receptor activates extracellular signal-regulated kinase (ERK). GNRH/GNRHR signaling regulates reproductive physiology in vertebrates via the hypothalamic-pituitary-gonadal axis.

## 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.





### > RDC0415 Plasmid DNA Sequence

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### > RDC0415 Translated Insert Sequence

```

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