

Specifications:

Gene:	mLepr
Accession:	NP_666258
Insert size:	3502bp
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.

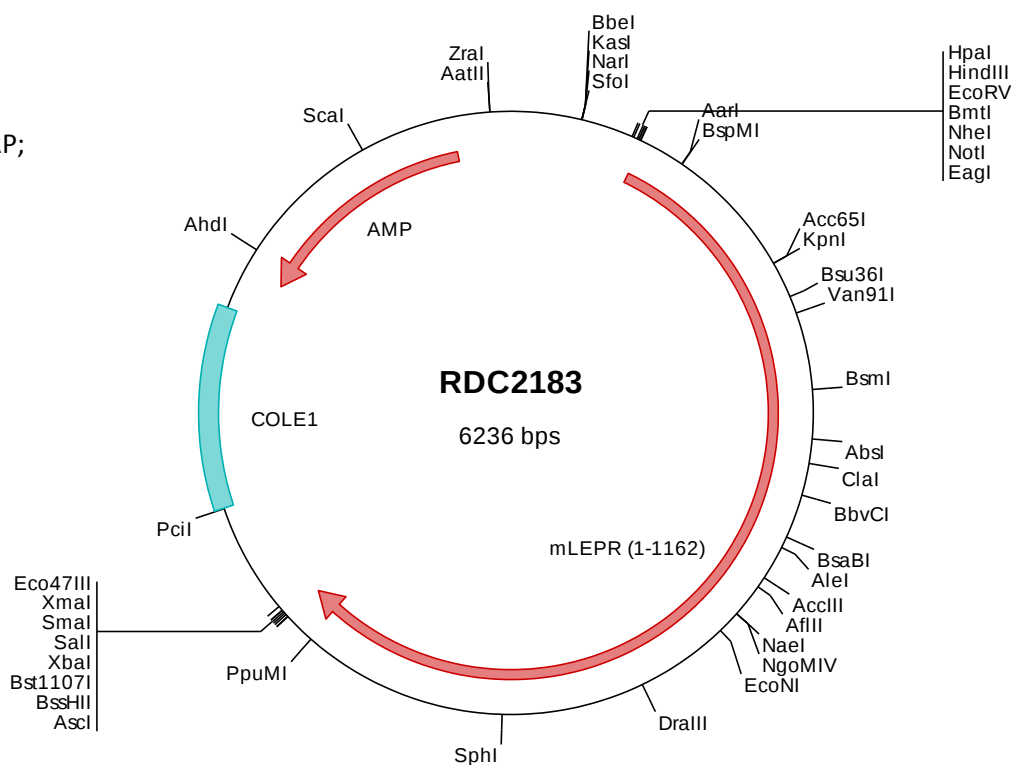
mLeptin R cDNA Plasmid

Lepr leptin receptor [*Mus musculus* (house mouse)]

Also known as: db; Obr; obl; Leprb; Modb1; LEPROT; OB-RGRP; diabetes; obese-like

Summary:

LEPR belongs to the gp130 family of cytokine receptors that are known to stimulate gene transcription via activation of cytosolic STAT proteins. It is a receptor for leptin (an adipocyte-specific hormone that regulates body weight), and is involved in the regulation of fat metabolism, as well as in a novel hematopoietic pathway that is required for normal lymphopoiesis. Mutations in LEPR have been associated with obesity and pituitary dysfunction.



> RDC2183 Plasmid DNA Sequence

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> RDC2183 Translated Insert Sequence

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