

## Specifications:

Gene:	mInsrr
Accession:	NP_035962
Insert size:	3916bp
Concentration:	10µg at 0.2µg/µL

## mINSRR cDNA Plasmid

Insrr insulin receptor-related receptor [ *Mus musculus* (house mouse) ]

Also known as: IRR

### Summary:

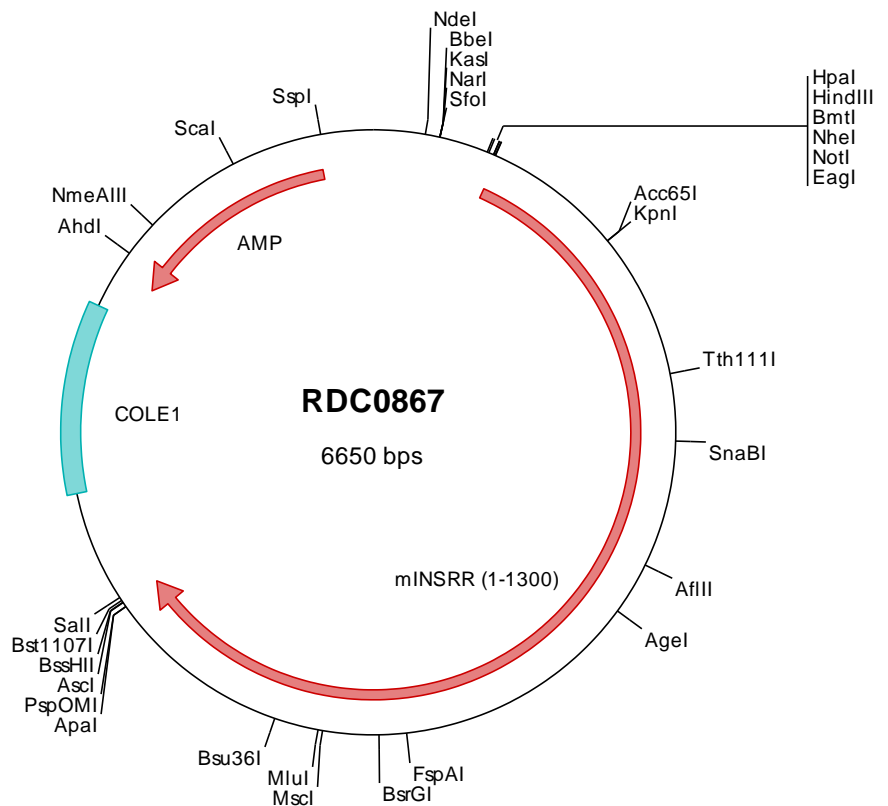
INSRR (Insulin receptor-related protein) is a member of the insulin receptor (IR) subfamily of protein kinases. This receptor forms a tetramer of 2 alpha and 2 beta chains linked by disulfide bonds. The alpha chains contribute to the formation of the ligand-binding domain, while the beta chains carry the tyrosine kinase domain. INSRR functions as a pH sensing receptor and activates an intracellular signaling pathway that involves IRS1 and AKT1/PKB.

## 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



### > RDC0867 Plasmid DNA Sequence

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> RDC0867 Translated Insert Sequence

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