

Specifications:

Gene:	<i>hIRS1</i>
Accession:	NP_005535
Insert size:	3742bp
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.

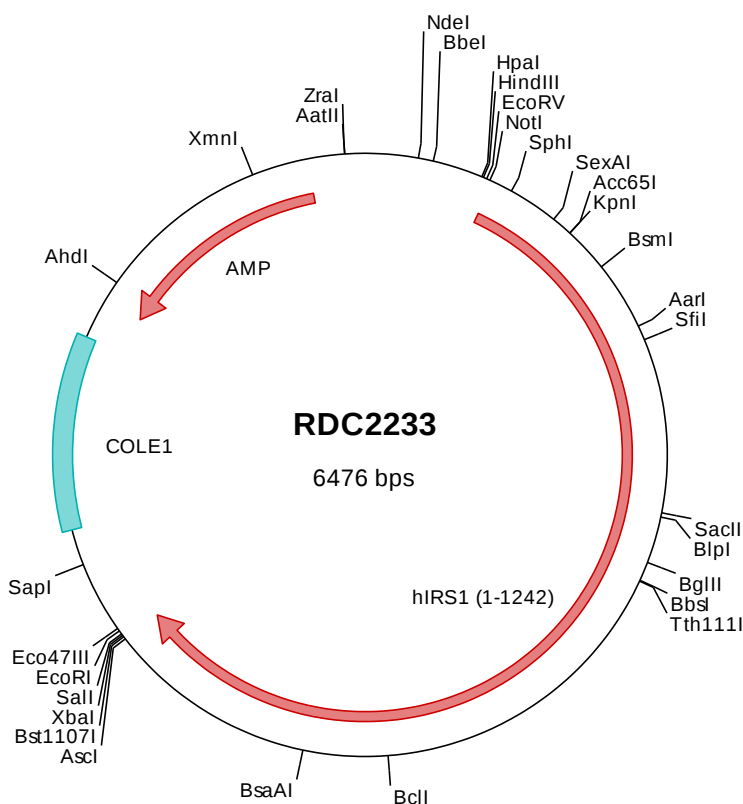
hIRS1 cDNA Plasmid

IRS1 insulin receptor substrate 1
[*Homo sapiens* (human)]

Also known as: HIRS-1

Summary:

IRS1 is a cytoplasmic protein that participates in the insulin signaling pathway. It is phosphorylated by the insulin receptor upon binding of insulin and subsequently associates with several SH2-domain-containing proteins. Mutations in IRS1 are associated with type II diabetes and susceptibility to insulin resistance.



> RDC2233 Plasmid DNA Sequence

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> RDC2233 Translated Protein Sequence

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