

Specifications:

Gene:	<i>h</i> SIRT3
Accession:	NP_036371.1
Insert size:	1213bp
Concentration:	10µg at 0.2µg/µL

*h*Sirtuin 3/SIRT3 cDNA Plasmid

**SIRT3 sirtuin 3 [*Homo sapiens*
(human)]**

Also known as: SIR2L3

Summary:

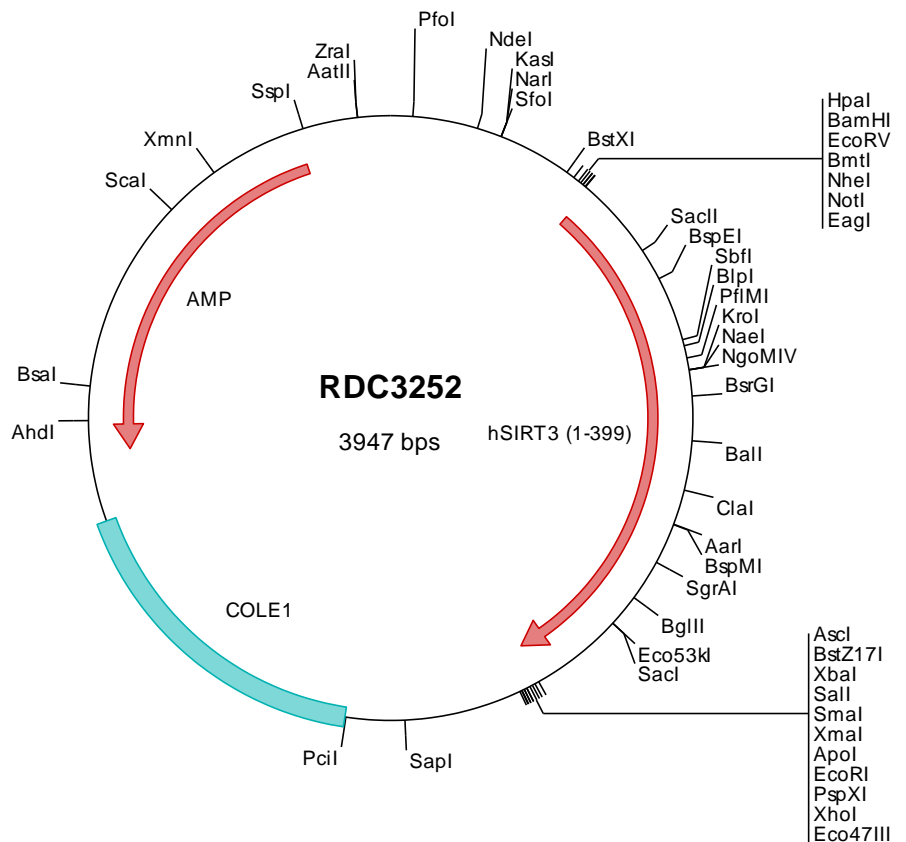
SIRT3 is a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. It is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control.

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.



> RDC3252 Plasmid DNA Sequence

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> RDC3252 Translated Insert Sequence

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