

Specifications:

Gene:	rSstr4
Accession:	NP_037168
Insert size:	1168bp
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.

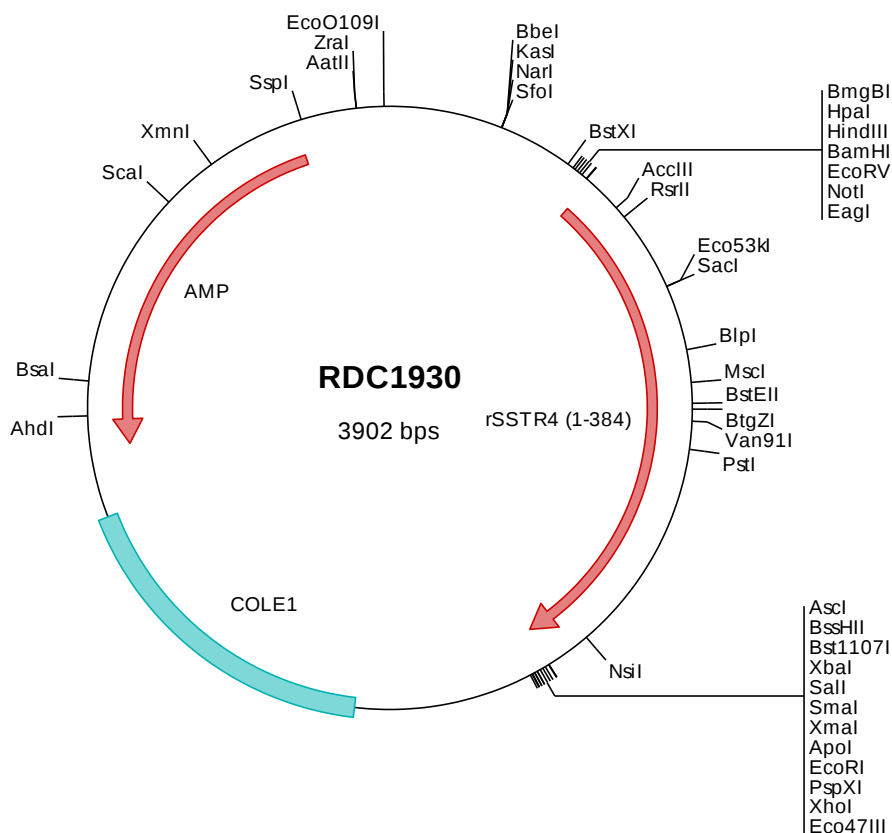
rSSTR4 cDNA Plasmid

Sstr4 somatostatin receptor 4
[*Rattus norvegicus* (Norway rat)]

Also known as: Smstr4

Summary:

SSTR4 is a receptor for somatostatin-14. Somatostatin acts at many sites to inhibit the release of hormones and other secretory proteins. The biologic effects of somatostatin are mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR4 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in fetal and adult brain and lung. It is functionally coupled not only to inhibition of adenylate cyclase, but also to activation of both arachidonate release and mitogen-activated protein (MAP) kinase cascade. SSTR4 mediates antiproliferative action of somatostatin in tumor cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1930 Plasmid DNA Sequence

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> RDC1930 Translated Insert Sequence

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