

Specifications:

Gene:	<i>hST3GAL5</i>
Accession:	NP_003887
Insert size:	1270bp
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.

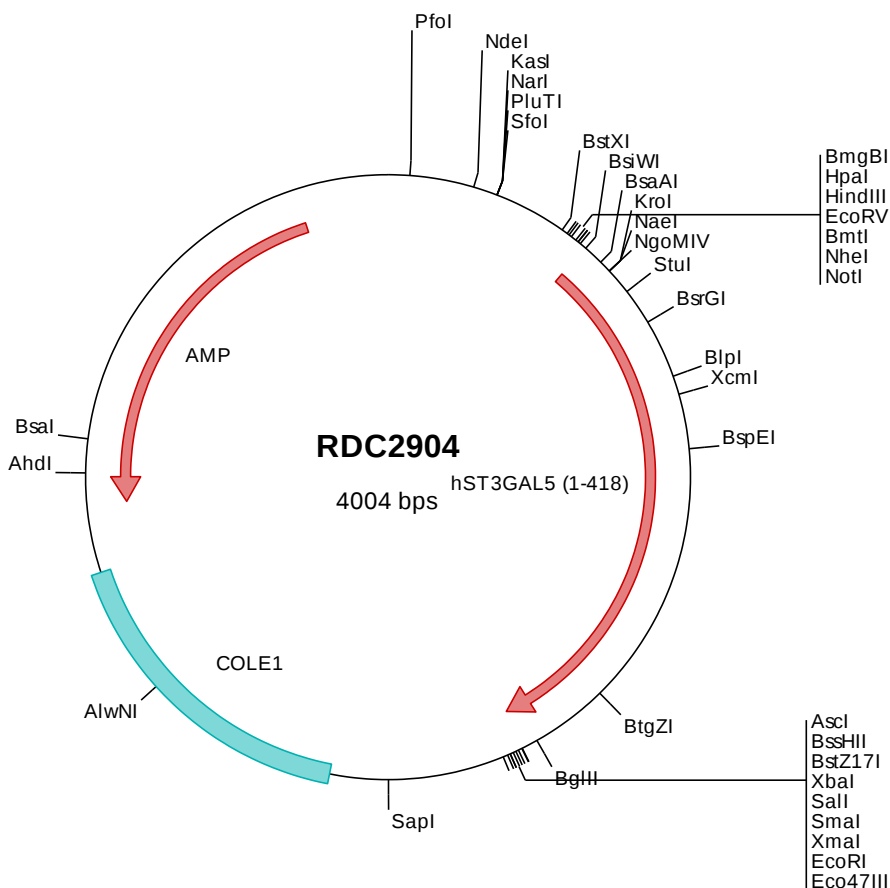
hST3GAL5 cDNA Plasmid

**ST3GAL5 ST3 beta-galactoside
alpha-2,3-sialyltransferase 5
[*Homo sapiens* (human)]**

Also known as: SAT1; SIAT9;
SPDRS; ST3GalIV; SIATGM3S; ST3Gal
V

Summary:

ST3GAL5 is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. It is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. ST3GAL5 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. Mutation in ST3GAL5 has been associated with Amish infantile epilepsy syndrome. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2904 Plasmid DNA Sequence

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> RDC2904 Translated Insert Sequence

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