

Specifications:

Gene:	<i>h</i> SLC5A8
Accession:	NP_666018
Insert size:	1845bp
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.

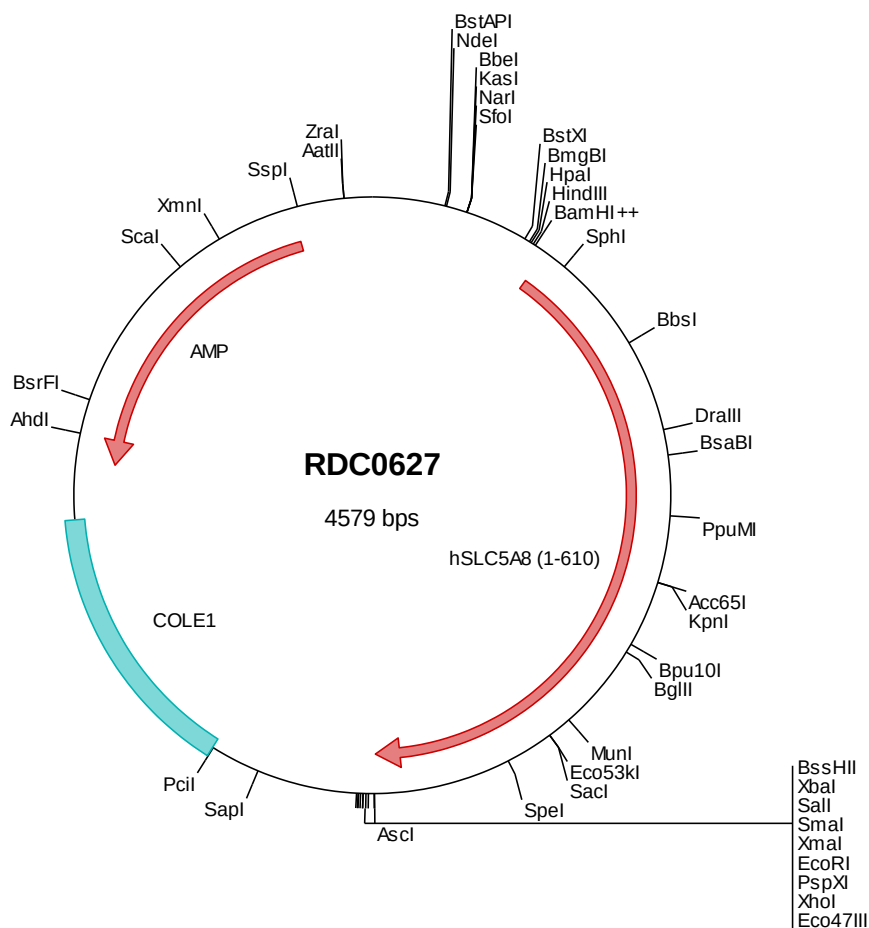
*h*SLC5A8/SMCT1 cDNA Plasmid

SLC5A8 solute carrier family 5 (iodide transporter), member 8 [*Homo sapiens*]

Also known as: AIT; SMCT; SMCT1

Summary:

SLC5A8 has been shown to transport iodide by a passive mechanism. It also transports monocarboxylates and short-chain fatty acids by a sodium-coupled mechanism. SLC5A8 nuclear translocation and loss of expression are associated with poor outcome in pancreatic ductal adenocarcinoma. It may be responsible for the absorption of D-lactate and monocarboxylate drugs from the intestinal tract.





> RDC0627 Plasmid DNA Sequence

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> RDC0627 Translated Insert Sequence

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