

Specifications:

Gene:	hSLC12A5
Accession:	NP_001128243
Insert size:	3433bp
Concentration:	10µg at 0.2µg/µL

hKCC2/SLC12A5 cDNA Plasmid

SLC12A5 solute carrier family 12 (potassium/chloride transporter), member 5 [*Homo sapiens*]

Also known as: KCC2

Summary:

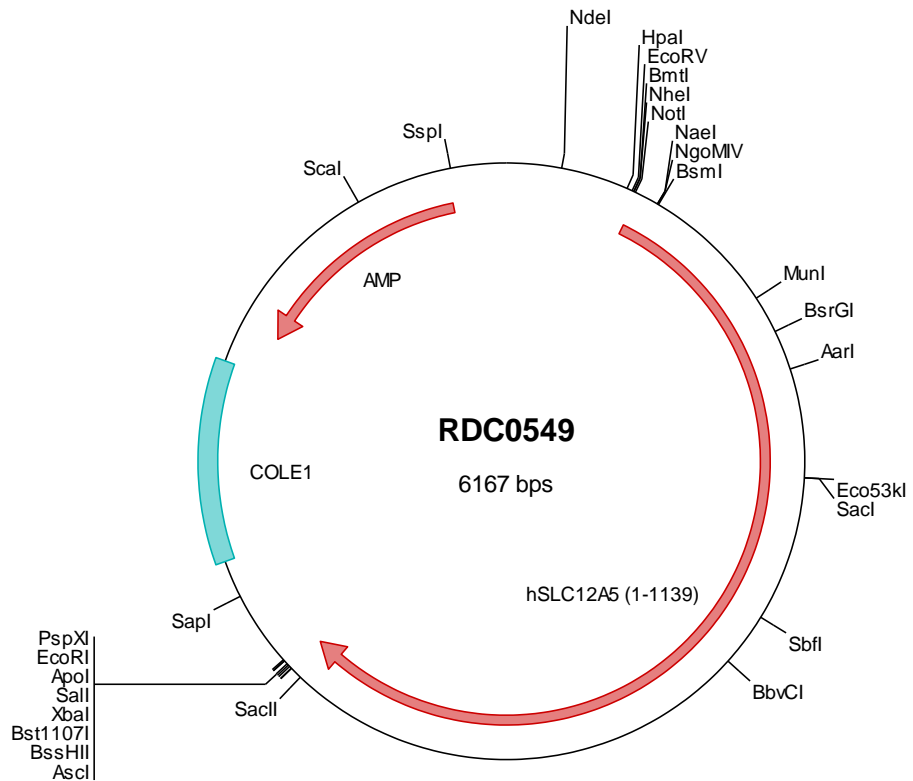
SLC12A5 is an integral membrane K-Cl cotransporter that can function in either a net efflux or influx pathway, depending on the chemical concentration gradients of potassium and chloride. It can act as a homomultimer, or as a heteromultimer with other K-Cl cotransporters, to maintain chloride homeostasis in neurons. Alternative splicing of this gene results in two transcript variants encoding different proteins.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

