

Specifications:

Gene:	hSLC12A2
Accession:	NP_001037
Insert size:	3652bp
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.

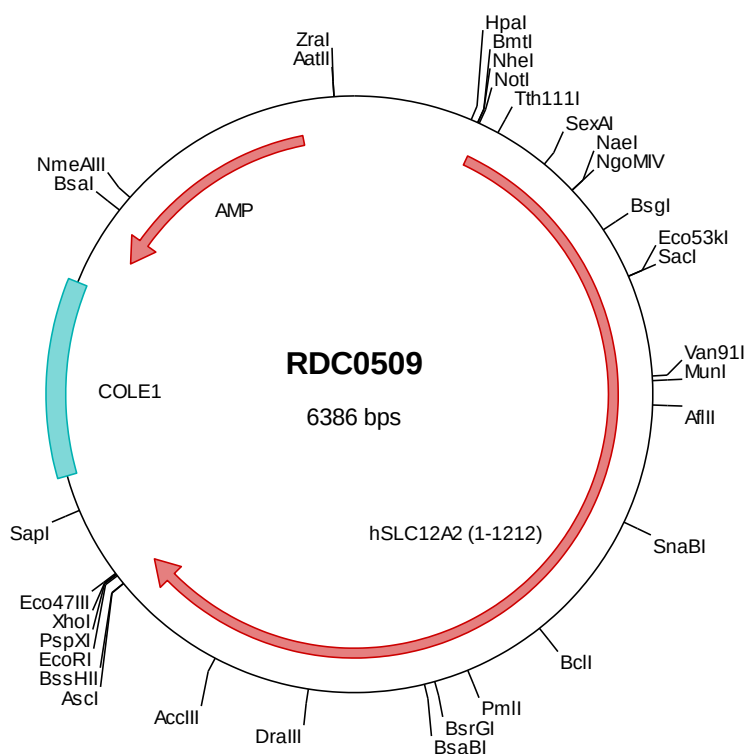
hNKCC1/SLC12A2 cDNA Plasmid

SLC12A2 solute carrier family 12 (sodium/potassium/chloride transporters), member 2 [*Homo sapiens*]

Also known as: BSC; BSC2; NKCC1

Summary:

SLC12A2 mediates sodium and chloride transport and reabsorption. It is a membrane protein that is important in maintaining proper ionic balance and cell volume. In contrast to the renal-specific sodium/potassium/chloride cotransporter SLC12A1, SLC12A2 is expressed in many tissues, including the basolateral membrane of secretory epithelia. It is phosphorylated in response to DNA damage. Three transcript variants encoding two different isoforms have been found for SLC12A2.





> RDC0509 Plasmid DNA Sequence

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> RDC0509 Translated Insert Sequence

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