

Specifications:

Gene:	hSLC12A1
Accession:	NP_000329
Insert size:	3313bp
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.

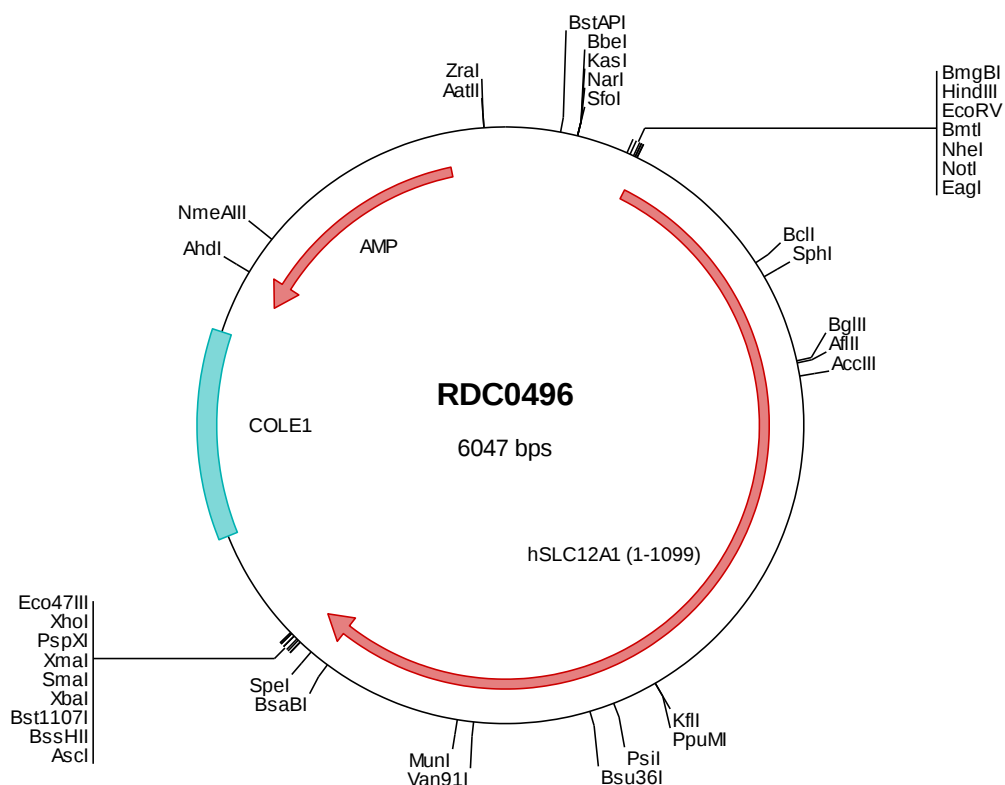
hSLC12A1 cDNA Plasmid

SLC12A1 solute carrier family 12 (sodium-potassium-chloride transporters), member 1 [*Homo sapiens*]

Also known as: BSC1; NKCC2

Summary:

SLC12A1 encodes a kidney-specific sodium-potassium-chloride cotransporter. It plays a key role in concentrating urine and accounts for most of the NaCl resorption. Alternative splicing results in multiple transcript variants encoding distinct isoforms of this protein.





> RDC0496 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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> RDC0496 Translated Insert Sequence

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