

Specifications:

Gene:	<i>hSLC4A7</i>
Accession:	NP_003606
Insert size:	3658bp
Concentration:	10µg at 0.2µg/µL

hSLC4A7 cDNA Plasmid

**SLC4A7 solute carrier family 4,
sodium bicarbonate
cotransporter, member 7
[*Homo sapiens* (human)]**

Also known as: NBC2; NBC3;
SBC2; NBCN1; SLC4A6

Summary:

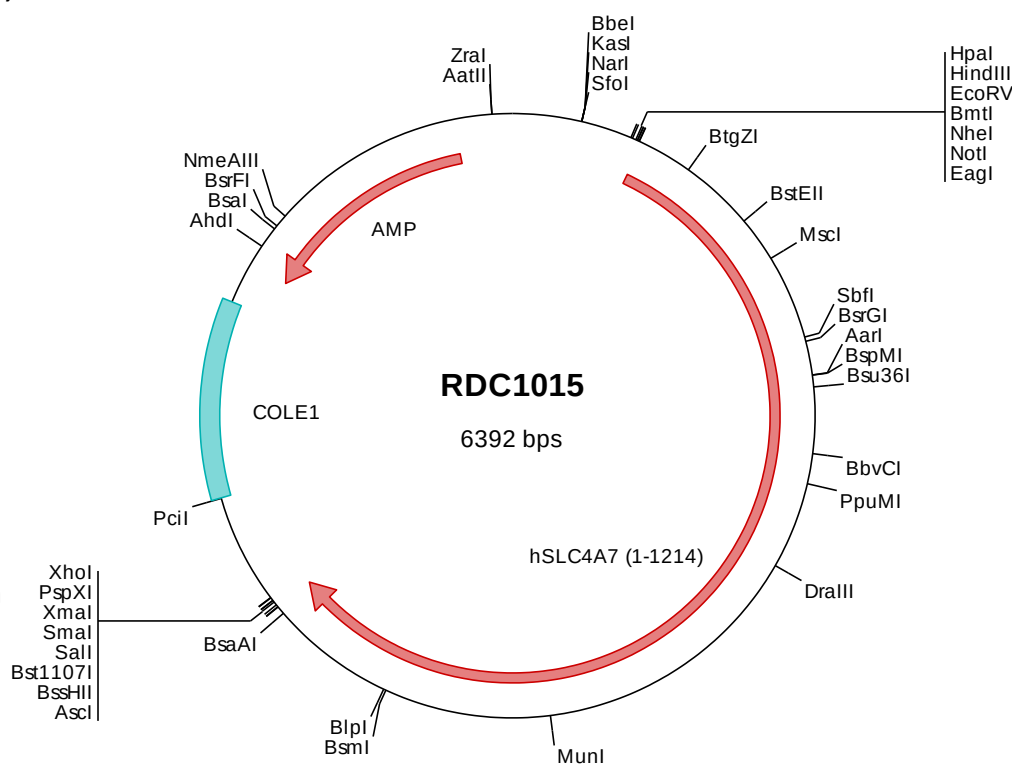
SLC4A7 is a sodium bicarbonate cotransporter. This transmembrane protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus considered an electroneutral cotransporter. SLC4A7 may play a critical role in regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcripts encoding different proteins have been described.

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.





> RDC1015 Plasmid DNA Sequence

```
1      tcgcgcggtt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccg  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC1015 Translated Insert Sequence

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