

**Specifications:**

Gene:	<i>hSLC7A11</i>
Accession:	NP_055146
Insert size:	1519bp
Concentration:	10µg at 0.2µg/µL

**hxCT/SLC7A11 cDNA Plasmid**

**SLC7A11 solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 [ *Homo sapiens* (human) ]**

**Also known as:** xCT; CCBR1

**Summary:**

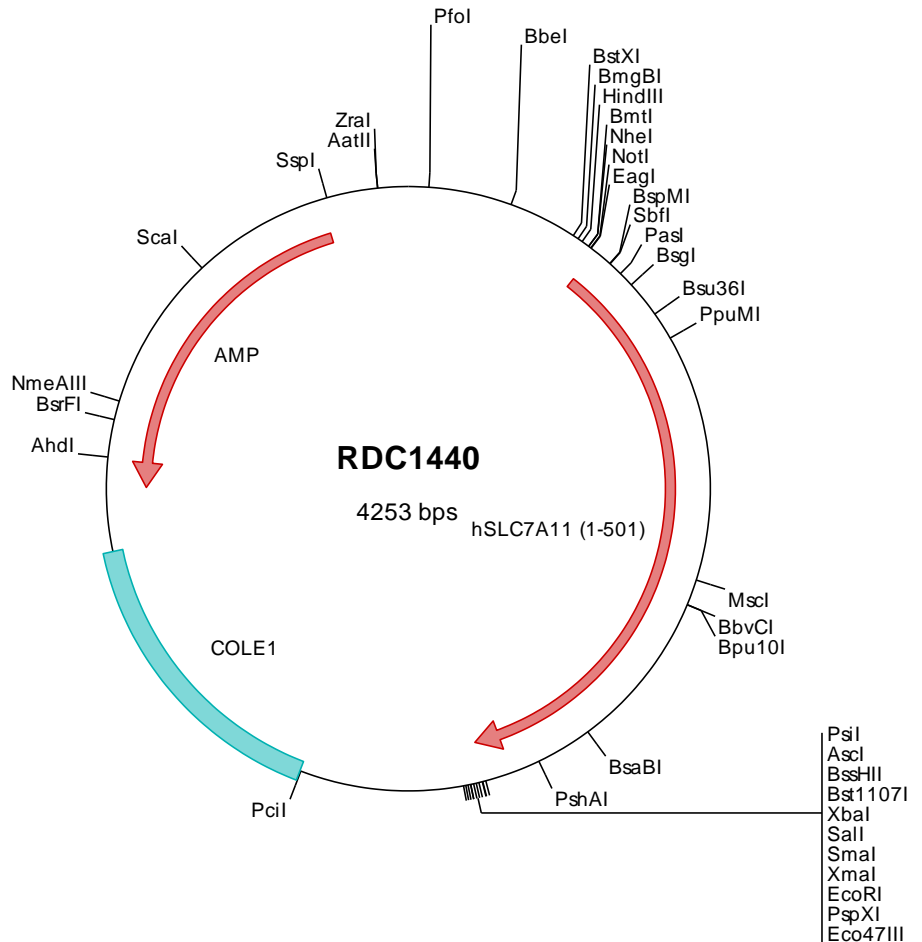
SLC7A11 is a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. SLC7A11 has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells.

**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

### > RDC1440 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccc
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### > RDC1440 Translated Insert Sequence

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