

Specifications:

Gene:	mSlc7a1
Accession:	NP_031539
Insert size:	1882bp
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.

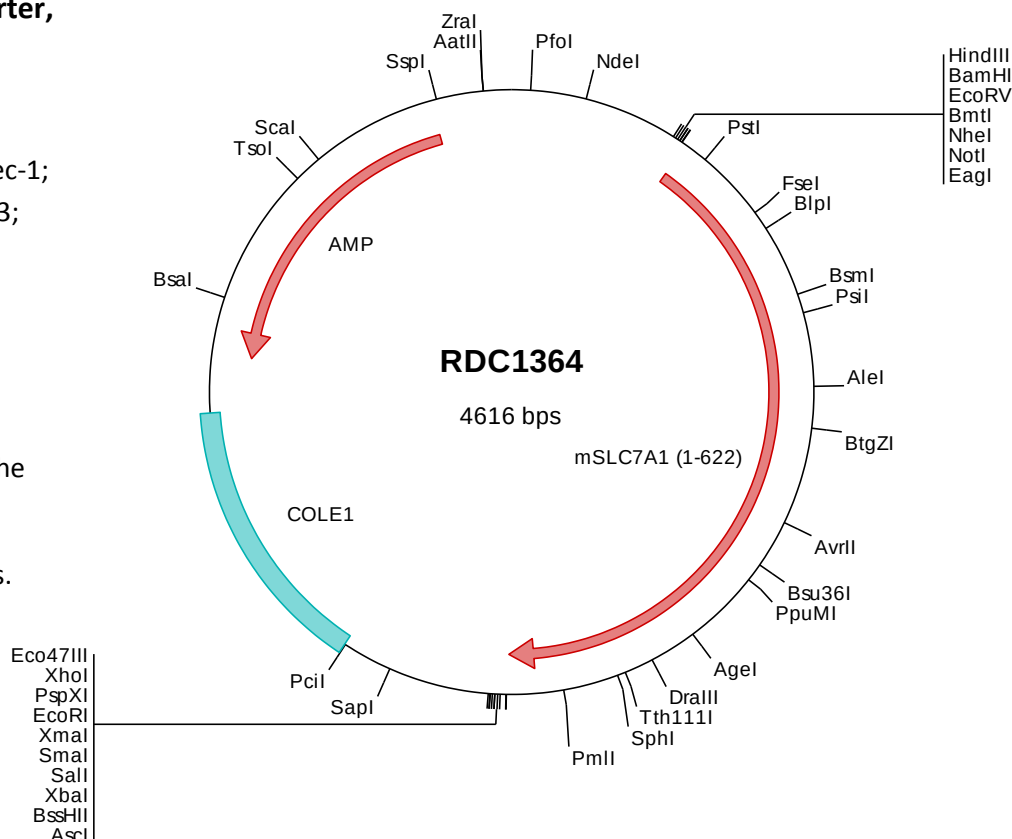
mCAT-1/SLC7A1 cDNA Plasmid

**Slc7a1 solute carrier family 7
(cationic amino acid transporter,
y⁺ system), member 1 [*Mus
musculus* (house mouse)]**

Also known as: Cat1; Atrc1; Rec-1;
Rev-1; Atrc-1; mCAT-1; AI447493;
4831426K01Rik

Summary:

SLC7A1 belongs to the cationic amino acid transporter (CAT) family. It is a high-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues. It may also function as an ecotropic retroviral leukemia receptor.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1364 Plasmid DNA Sequence

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> RDC1364 Translated Insert Sequence

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601  seeslaagq  aktpdsnl  ck

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