

## Specifications:

Gene:	<i>hSLC6A5</i>
Accession:	AAK12641
Insert size:	2406bp
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.

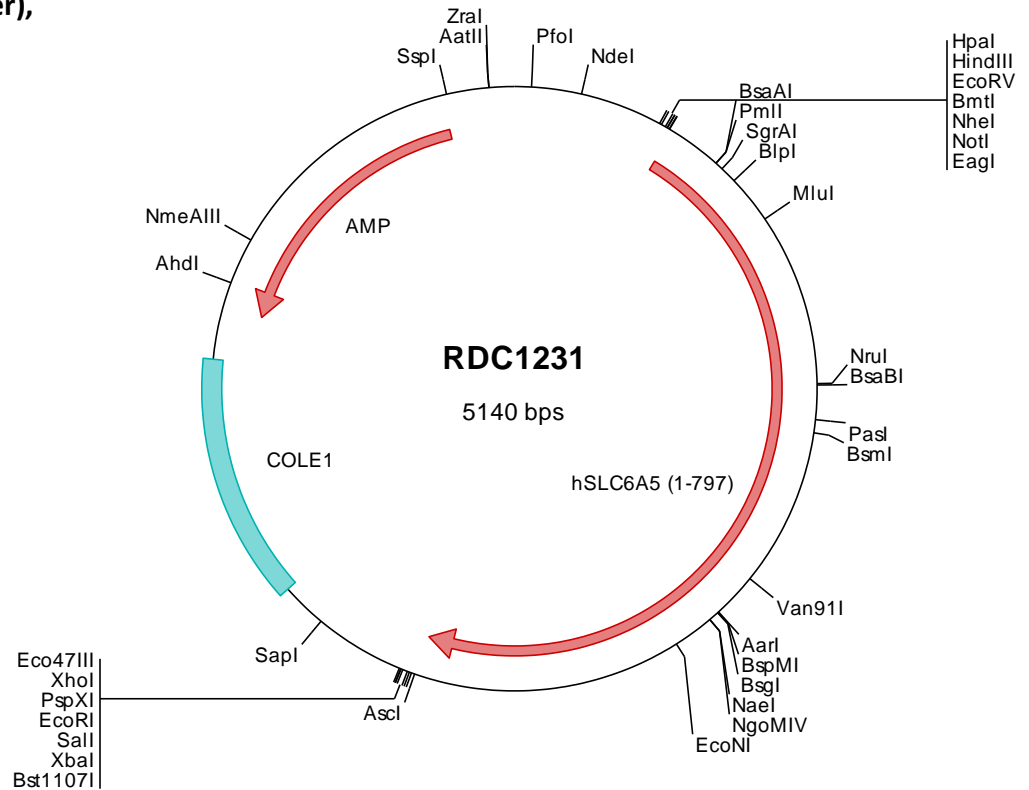
## hGlyT2/SLC6A5 cDNA Plasmid

**SLC6A5 solute carrier family 6  
(neurotransmitter transporter),  
member 5 [ *Homo sapiens*  
(human) ]**

**Also known as:** NET1; GLYT2;  
HKPX3; GLYT-2

### Summary:

SLC6A5 is a sodium- and chloride-dependent glycine neurotransmitter transporter. It is responsible for the clearance of extracellular glycine during glycine-mediated neurotransmission. SLC6A5 is found in glycinergic axons and maintains a high presynaptic pool of neurotransmitter at glycinergic synapses. Mutations in SLC6A5 cause hyperekplexia, a heterogenous neurological disorder characterized by exaggerated startle responses and neonatal apnea.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

