

Product datasheet for **RC225880L4V**

SLC7A7 (NM_001126106) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	SLC7A7
Synonyms:	LAT3; LPI; MOP-2; γ+LAT-1; Y+LAT1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001126106
ORF Size:	1533 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC225880).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq:	NM_001126106.1
RefSeq Size:	2299 bp
RefSeq ORF:	1536 bp
Locus ID:	9056
UniProt ID:	Q9UM01
Cytogenetics:	14q11.2



Protein Families: Druggable Genome, Transmembrane

MW: 56 kDa

Gene Summary: The protein encoded by this gene is the light subunit of a cationic amino acid transporter. This sodium-independent transporter is formed when the light subunit encoded by this gene dimerizes with the heavy subunit transporter protein SLC3A2. This transporter is found in epithelial cell membranes where it transfers cationic and large neutral amino acids from the cell to the extracellular space. Defects in this gene are a cause of lysinuric protein intolerance (LPI). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2011]