

Product datasheet for **RC222683L3V**

SLC7A14 (NM_020949) Human Tagged ORF Clone Lentiviral Particle

Product data:

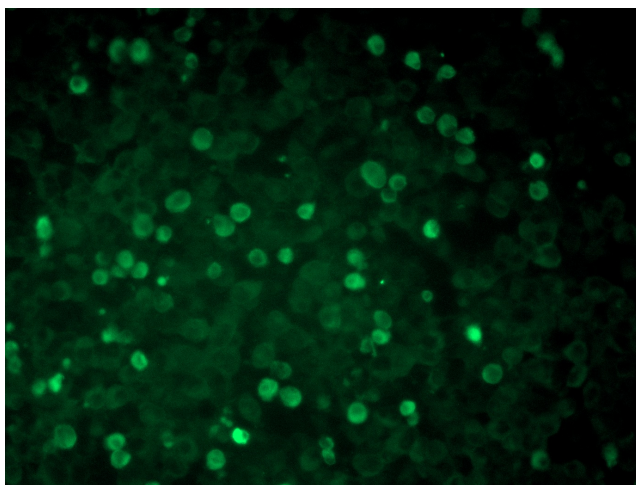
Product Type:	Lentiviral Particles
Product Name:	SLC7A14 (NM_020949) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC7A14
Synonyms:	PPP1R142
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_020949
ORF Size:	2313 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222683).
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_020949.1 , NP_066000.1
RefSeq Size:	2909 bp
RefSeq ORF:	2316 bp
Locus ID:	57709
UniProt ID:	Q8TBB6
Cytogenetics:	3q26.2
Protein Families:	Druggable Genome, Transmembrane
MW:	83.9 kDa



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Gene Summary:

This gene is predicted to encode a glycosylated, cationic amino acid transporter protein with 14 transmembrane domains. This gene is primarily expressed in skin fibroblasts, neural tissue, and primary endothelial cells and its protein is predicted to mediate lysosomal uptake of cationic amino acids. Mutations in this gene are associated with autosomal recessive retinitis pigmentosa. In mice, this gene is expressed in the photoreceptor layer of the retina where its expression increases over the course of retinal development and persists in the mature retina. [provided by RefSeq, Apr 2014]

Product images:

[RC222683L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC222683L3V particle to overexpress human SLC7A14-Myc-DDK fusion protein.