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Product datasheet for RC225834L3V

SLC7A9 (NM_001126335) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC7A9 (NM_001126335) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC7A9
Synonyms:	BAT1; CSNU3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001126335
ORF Size:	1461 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225834).
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_001126335.1
RefSeq Size:	1703 bp
RefSeq ORF:	1464 bp
Locus ID:	11136
UniProt ID:	P82251
Cytogenetics:	19q13.11
Protein Families:	Druggable Genome, Transmembrane
MW:	53.5 kDa

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Gene Summary: This gene encodes a protein that belongs to a family of light subunits of amino acid transporters. This protein plays a role in the high-affinity and sodium-independent transport of cystine and neutral and dibasic amino acids, and appears to function in the reabsorption of cystine in the kidney tubule. Mutations in this gene cause non-type I cystinuria, a disease that leads to cystine stones in the urinary system due to impaired transport of cystine and dibasic amino acids. Alternate transcript variants, which encode the same protein, have been found for this gene. [provided by RefSeq, Jul 2011]