

Product datasheet for **RC209263L3V**

CAT1 (SLC7A1) (NM_003045) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CAT1 (SLC7A1) (NM_003045) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CAT1
Synonyms:	ATRC1; CAT-1; ERR; HCAT1; REC1L
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003045
ORF Size:	1887 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209263).
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_003045.3
RefSeq Size:	7357 bp
RefSeq ORF:	1890 bp
Locus ID:	6541
UniProt ID:	P30825
Cytogenetics:	13q12.3
Domains:	aa_permeases
Protein Families:	Druggable Genome, Transmembrane

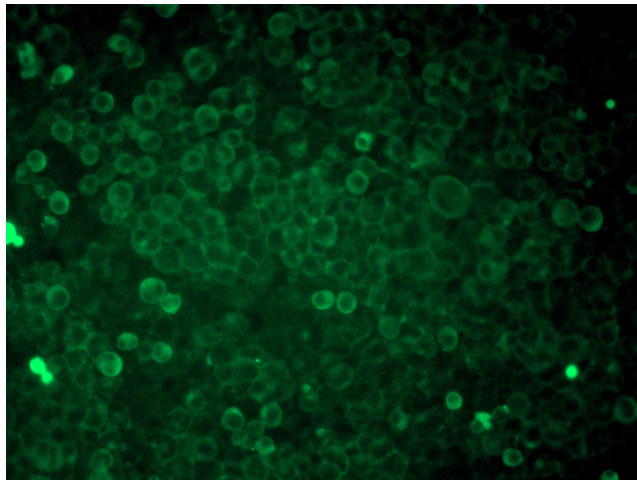


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MW: 67.6 kDa

Gene Summary: High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.[UniProtKB/Swiss-Prot Function]

Product images:



[RC209263L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC209263L3V particle to overexpress human SLC7A1-Myc-DDK fusion protein.