

Product datasheet for **RC213151L4V**

CTNS (NM_004937) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CTNS (NM_004937) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CTNS
Synonyms:	CTNS-LSB; PQLC4; SLC66A4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004937
ORF Size:	1101 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213151).
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_004937.1 , NP_004928.1
RefSeq Size:	2611 bp
RefSeq ORF:	1104 bp
Locus ID:	1497
UniProt ID:	O60931
Cytogenetics:	17p13.2
Domains:	CTNS
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Lysosome

MW: 41.6 kDa

Gene Summary: This gene encodes a seven-transmembrane domain protein that functions to transport cystine out of lysosomes. Its activity is driven by the H⁺ electrochemical gradient of the lysosomal membrane. Mutations in this gene cause cystinosis, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]