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Product datasheet for RC200234L4V

SLC25A20 (NM_000387) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC25A20 (NM_000387) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC25A20
Synonyms:	CAC; CACT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000387
ORF Size:	903 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200234).`
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_000387.3
RefSeq Size:	1909 bp
RefSeq ORF:	906 bp
Locus ID:	788
UniProt ID:	O43772
Cytogenetics:	3p21.31
Domains:	mito_carr
Protein Families:	Druggable Genome, Transmembrane

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MW: 32.9 kDa

Gene Summary: This gene product is one of several closely related mitochondrial-membrane carrier proteins that shuttle substrates between cytosol and the intramitochondrial matrix space. This protein mediates the transport of acylcarnitines into mitochondrial matrix for their oxidation by the mitochondrial fatty acid-oxidation pathway. Mutations in this gene are associated with carnitine-acylcarnitine translocase deficiency, which can cause a variety of pathological conditions such as hypoglycemia, cardiac arrest, hepatomegaly, hepatic dysfunction and muscle weakness, and is usually lethal in new born and infants. [provided by RefSeq, Jul 2008]