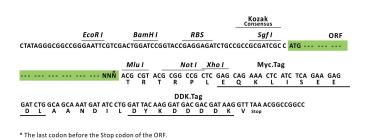


Product datasheet for RC200234L1

SLC25A20 (NM_000387) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: SLC25A20 (NM_000387) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: SLC25A20 CAC; CACT Synonyms: **Mammalian Cell** None Selection: Vector: pLenti-C-Myc-DDK (PS100064) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC200234). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Mlu I --- GCG ATC GC C ATG --- //--- NNN ACG CGT ---



ACCN: ORF Size: NM_000387 903 bp

OriGene Technologies, Inc.

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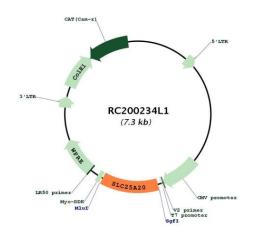


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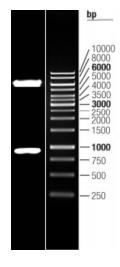
ORIGENE SLC25	A20 (NM_000387) Human Tagged Lenti ORF Clone – RC200234L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 000387.3</u>
RefSeq Size:	1909 bp
RefSeq ORF:	906 bp
Locus ID:	788
UniProt ID:	<u>043772</u>
Cytogenetics:	3p21.31
Domains:	mito_carr
Protein Families:	Druggable Genome, Transmembrane
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]

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Product images:



Circular map for RC200234L1



Double digestion of RC200234L1 using Sgfl and Mlul

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