

## Product datasheet for **RC230182L3V**

### Monocarboxylic acid transporter 1 (SLC16A1) (NM\_001166496) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Monocarboxylic acid transporter 1 (SLC16A1) (NM_001166496) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Monocarboxylic acid transporter 1
Synonyms:	HHF7; MCT; MCT1; MCT1D
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001166496
ORF Size:	1500 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230182).
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. <a href="#">More info</a>
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:	<a href="#">NM_001166496.1</a> , <a href="#">NP_001159968.1</a>
RefSeq Size:	4390 bp
RefSeq ORF:	1503 bp
Locus ID:	6566
UniProt ID:	<a href="#">P53985</a>
Cytogenetics:	1p13.2
Protein Families:	Transmembrane

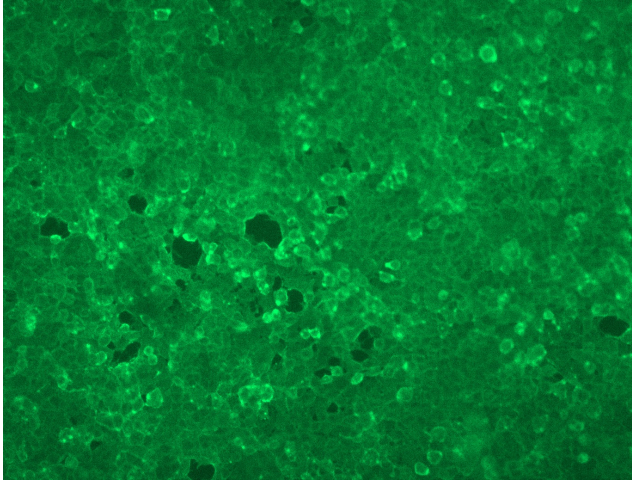


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**MW:** 53.9 kDa

**Gene Summary:** The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2009]

**Product images:**



[RC230182L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC230182L3V particle to overexpress human SLC16A1-Myc-DDK fusion protein.