

## Product datasheet for **RC205361L2V**

### **MCT2 (SLC16A7) (NM\_004731) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	MCT2 (SLC16A7) (NM_004731) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MCT2
Synonyms:	MCT2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004731
ORF Size:	1434 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205361).
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_004731.3</a>
RefSeq Size:	11777 bp
RefSeq ORF:	1437 bp
Locus ID:	9194
UniProt ID:	<a href="#">O60669</a>
Cytogenetics:	12q14.1
Domains:	sugar_tr
Protein Families:	Transmembrane



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**MW:** 52.2 kDa

**Gene Summary:** This gene is a member of the monocarboxylate transporter family. Members in this family transport metabolites, such as lactate, pyruvate, and ketone bodies. The protein encoded by this gene catalyzes the proton-linked transport of monocarboxylates and has the highest affinity for pyruvate. This protein has been reported to be more highly expressed in prostate and colorectal cancer specimens when compared to control specimens. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]