

## Product datasheet for **RC221262L2V**

### SLC2A2 (NM\_000340) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SLC2A2 (NM_000340) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SLC2A2
Synonyms:	GLUT2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000340
ORF Size:	1572 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221262).
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_000340.1</a>
RefSeq Size:	3439 bp
RefSeq ORF:	1575 bp
Locus ID:	6514
UniProt ID:	<a href="#">P11168</a>
Cytogenetics:	3q26.2
Domains:	sugar_tr
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane



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**Protein Pathways:** Maturity onset diabetes of the young, Type II diabetes mellitus

**MW:** 57.3 kDa

**Gene Summary:** This gene encodes an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. The encoded protein mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor. Mutations in this gene are associated with susceptibility to diseases, including Fanconi-Bickel syndrome and noninsulin-dependent diabetes mellitus (NIDDM). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]