

Product datasheet for **RC222696L2V**

Glucose Transporter GLUT1 (SLC2A1) (NM_006516) Human Tagged ORF Clone Lentiviral Particle

Product data:

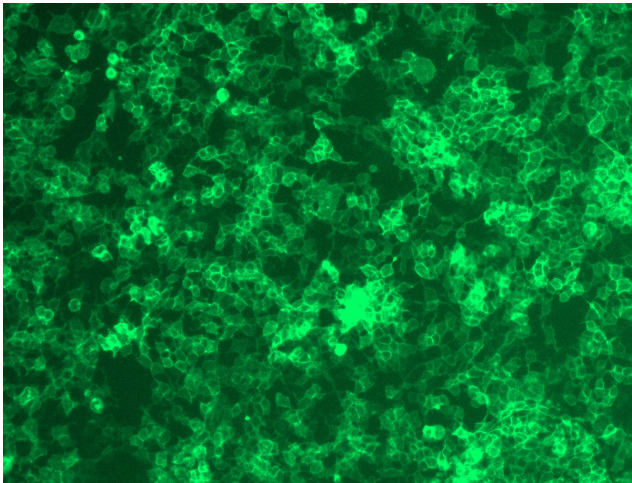
Product Type:	Lentiviral Particles
Product Name:	Glucose Transporter GLUT1 (SLC2A1) (NM_006516) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Glucose Transporter GLUT1
Synonyms:	CSE; DYT9; DYT17; DYT18; EIG12; GLUT; GLUT-1; GLUT1; GLUT1DS; HTLVR; PED; SDCHCN
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_006516
ORF Size:	1476 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222696).
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_006516.1
RefSeq Size:	2856 bp
RefSeq ORF:	1479 bp
Locus ID:	6513
UniProt ID:	P11166
Cytogenetics:	1p34.2
Domains:	sugar_tr



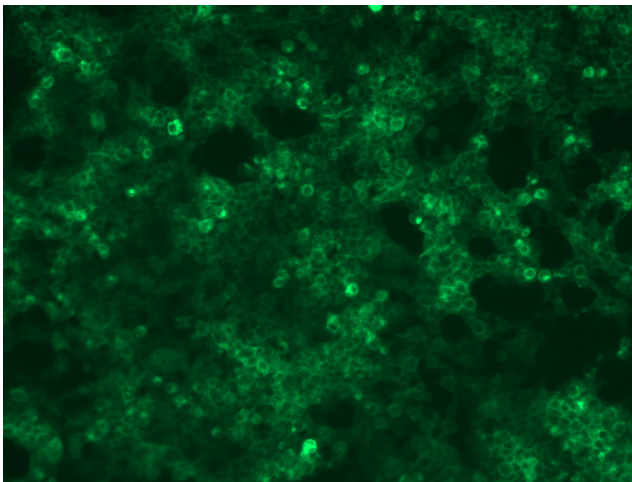
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Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Pathways in cancer, Renal cell carcinoma
MW:	53.9 kDa
Gene Summary:	This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia. [provided by RefSeq, Apr 2013]

Product images:



[RC222696L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC222696L2V particle to overexpress human SLC2A1-mGFP fusion protein.



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