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Product datasheet for RC213717L2V

GLUT4 (SLC2A4) (NM_001042) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GLUT4 (SLC2A4) (NM_001042) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GLUT4
Synonyms:	GLUT4
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001042
ORF Size:	1527 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213717).
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_001042.1
RefSeq Size:	2128 bp
RefSeq ORF:	1530 bp
Locus ID:	6517
UniProt ID:	P14672
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway, Insulin signaling pathway, Type II diabetes mellitus

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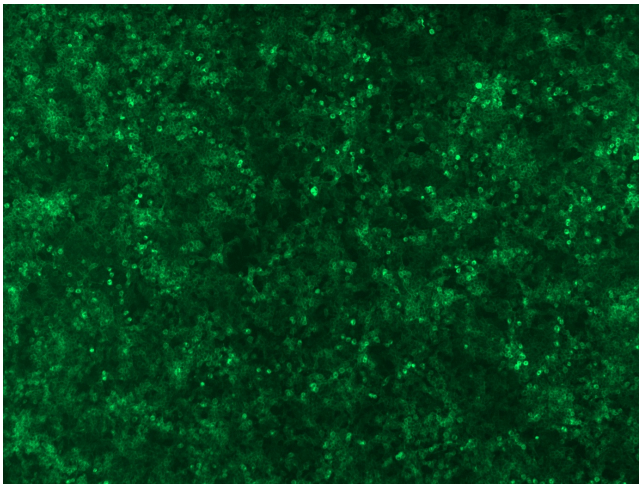
MW: 54.6 kDa

Gene Summary: This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM). [provided by RefSeq, Jul 2008]

Product images:



[RC213717L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC213717L2V particle to overexpress human SLC2A4-mGFP fusion protein.