

Product datasheet for **RC213717L1V**

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-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| 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]