

## Product datasheet for **SC214541**

### GLUT4 (SLC2A4) (NM\_001042) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	GLUT4 (SLC2A4) (NM_001042) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SLC2A4
Synonyms:	GLUT4
ACCN:	NM_001042
Insert Size:	1658 bp



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**Insert Sequence:** >SC214541 3'UTR clone of NM\_001042  
 The sequence shown below is from the reference sequence of NM\_001042. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGTATTTAGGGCCAGATGAGAACGACTGAGGGGCCAGGCAGGGTGGGAGAGCCAGCTCTCTACCC
GGCCCAGAGACCCTTCCTTTCTCTGACGACTTTAACCTCTCTTCCCTATTATTTCCGGGTGGAAA
AGAATCCCTGCAGCCTGGTAGAATTGGGAAGCTGGGGAAAGGGTGGTCTGAGCACCCCTCATTCCCT
CGTGTGACTCTTTGGATTATTTATGTGTGTGGTTTGGCCGTGGCCATCAGGGTGGCCACTCTCCCC
TCCCTCTCTCCCTCCCTTTCTCCACCTTCCCAGACTCAGCTCCAGAATACCTTCTTCG
CTGCTAGAGAAGGGGATTGGAGGGAAGACAGGTCTAGACTTTCTCAGTGGGACAAACCAGAGCAGAGA
GCAGGACAGGAGACAAGAAATCCAGTTTCCACCACCTTGGACTCCTCCACAATCTGGGACTTTCCT
GAATTCTTGCCACGACTCTGGGCAAAGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGACAG
TCTCGCTCTGTCGCCAGGCTCGAGTGCAGTGGGTGATCTTGCTTCACTGCAAGCTGTCTCCAGGTT
CACGCCATTCTCCTGCCTCAGCCTCCGGAGTAGCTGGGACTACAGGCGCATGCCACCACCTGGCTAA
TTTATTTTGTATTTTAGTATATACGCGTTTACCATGTTAGCCAGAATGGTCTCGATCTCCTGACCT
CGTGATCTGCCTGCCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACCAGCCTGGCGAAGG
GAGTTCTCTTTGACCCCTGCAGGAAAAGGACTCACCTCCCTCACTGCAGGCTCAGCCTCCAGGGCA
AGAGGGAACAGGAAAGTATGTGCCATGTGTGGCAAGATGGAAGGACGGCAGGCTCCCGCCTTAGGCT
TGGGGCTTACCCGATGGTTTCCCAAGGCTGCCAAGAAGGAGCCCTAAGTTTCTCTCCCTTCTCCT
GGAAGGGTGTGCATCCACAGGTTTTTGACCACTAAGGCAAAGAGGGGATTTGAAAGGCTGCCTGGAA
ACACTGGGCTGGGAGGACCTTTGGATTTTTATACGTTTGAAGGGGATTGAGAGAAGAAACCA
AAGGTCGGTTGTACTAAATGTATATATATAGACTTCTATAAAGTCACTGCTGAAGACAAGCATCCTA
TTGTGGAGGTAAGGATGGGCTGAGACAGGGACCATAAAGTCTTACCCTCTTCTCCCTCTGTCC
TGCCCTCAGCTCAAGGCTCAGAATCTTCTGGATGCCATTGCTCATGCCCTACTCACATTCTACTCGT
TGCTTTATTAATAGTAAATGCTCAATAAATGTAGCTGCCAGTGGCGGCGATTGCTTTGGCATTGCA
GAATACTACTCTGTGAGGGAGGTGTAGCCATGTCACAGATGGGCAGTGAACCCATGATAGGGGCA
CTTTCCAGGGACACAGCTGGAGACATGGCAGCAAGGATGCCAGGCCCTGCCACGGCCACATCC
CCTCTCCACCTTCAACAGTGAGTTACTAGCGATTCTCCAAAACAGAAGAGATGGAGACCAAGACCA
CA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001042.3](#)

**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]

**Locus ID:**

6517

**MW:**

62