

## Product datasheet for **SC109635**

### **SLC2A11 (NM\_030807) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SLC2A11 (NM_030807) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC2A11
Synonyms:	GLUT10; GLUT11
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC109635 sequence for NM\_030807 edited (data generated by NextGen Sequencing)

```

ATGGAGGATGAACTGGAGCCGCTTACGGCCTCGGACGCAGATTCAGGGCAGGATCCTG
CTCCTGACCATCTGCGCTGCCGGCATTGGTGGGACTTTTCAGTTTGGCTATAACCTCTCT
ATCATCAATGCCCGACCTTGCACATTCAGGAATTCACCAATGAGACATGGCAGGCGCGT
ACTGGAGAGCCACTGCCCGATCACCTAGTCCTGCTTATGTGGTCCCTCATCGTGTCTGTG
TATCCCCTGGGAGGCGCTTTTGGAGCACTGCTTGCAGGTCCTTGGCCATCACGCTGGGA
AGGAAGAAGTCCCTCCTGGTGAATAACATCTTTGTGGTGCAGCAGCAATCCTGTTTGGG
TTCAGCCGCAAAGCAGGCTCCTTTGAGATGATCATGCTGGGAAGACTGCTCGTGGGAGTC
AATGCAGGTGTGAGCATGAACATCCAGCCCATGTACCTGGGGGAGAGCGCCCTAAGGAG
CTCCGAGGAGCTGTGGCCATGAGCTCAGCCATCTTACGGCTCTGGGGATCGTGATGGGA
CAGGTGGTGGACTCAGGGAGCTCCTAGGTGGCCCTCAGGCTGGCCCTGCTGCTGGCC
AGCTGCCTGGTGGCGGGGCGCTCCAGCTCGCCTCCCTGCCTCTGCTCCCTGAAAGCCCG
CGCTACCTCCTCATTGACTGTGGAGACACCGAGGCTGCCTGGCAGCACTACGGCGGCTC
CGGGGCTCCGGGACTTGGCAGGGGAGCTGGAGGAGCTGGAGGAGGAGCGCGCTGCCTGC
CAGGGGCTGCCGTGCCCGGCCCATGGGAGCTGTTCCAGCATCGGGCCCTGAGGAGACAG
GTGACAAGCCTCGTGGTTCTGGGCACTGCCATGGAGCTCTGCGGGAATGACTCGGTGTAC
GCCTACGCCTCCTCCGTGTTCCGGAAGGCAGGAGTGCCGGAAGCGAAGATCCAGTACGCG
ATCATCGGGACTGGGAGCTGCGAGCTGCTCACGGCGGTTGTTAGTTGTGTGGTAATCGAG
AGGGTGGGTGGCGCGTGTCTGCTCATCGGTGGGTACAGCCTGATGACCTGCTGGGGGAGC
ATCTTCACTGTGGCCCTGCGCTGCAGAGCTCCTTCCCTGGACACTCTACCTGGCCATG
GCCTGCATCTTTGCCTTATCCTCAGCTTTGGCATTGGCCCTGCCGAGTGACGGGGATC
CTGGCCACAGAGCTGTTTACCAGATGGCCAGGCTGCTGCCTGCATGGTCTGCGGGGCG
CTCATGTGGATCATGCTCATCCTGGTGGCTGGGATTTCCCTTATCATGGAGGCTTGT
TCCCACTTCTCTATGTCCCTTCTTGGTGTCTGTGTCTGTGGGGCCATCTACACTGGC
CTGTTCCCTCCTGAGACCAAGCAAGACCTTCCAAGAGATCTCCAAGGAATTACACAGA
CTCAACTTCCCCAGGCGGGCCAGGGCCACAGTGGAGGAGCCTGGAGGTTATCCAGTCA
ACAGAACTCTAG
    
```

Clone variation with respect to NM\_030807.3

**5' Read Nucleotide Sequence:**

```

>OriGene 5' read for NM_030807 unedited
NCGGTTGCGGATTTTGTAAACACGATTTACTATAGGCGGCCGCGCTCGCTCTGCCAGNAC
GCACANATGAGAGCGCTCCGAAGACTGAGATGAGCTTGGGGCTTAGCCGAGTAAGGAGTG
AGCGGCTTTTACGCTCAGTGTGCGGCAGAGGCGGATGGAGGATGAACTGGAGCCGCTCC
TTACGGCCTCGGACGCAGATTCAGGGCAGGATCCTGCTCCTGACCATCTGCGCTGCCGCG
ATTGGTGGGACTTTTTCAGTTTGGCTATAACCTCTCTATCATCAATGCCCGACCTTGCAC
ATTCAGGAATTCACCAATGAGACATGGCAGGCGGCTACTGGAGAGCCACTGCCCGATCAC
CTAGTCTGCTTATGTGGTCCCTCATCGTGTCTCTGTATCCCCTGGGAGGCTCTTTTGGG
GCACTGCTTGCAGGTCCCTTGGCCATCACGCTGGGAAGGAAGAAGTCCCTCCTGGTGAAT
AACATCTTTGGTGTGACGAGCAATCCTGTTTGGATTACGCCGAAAGCAGGCTCCTTT
GAGATGATCATGTGGGAAGACTGCTCGTGGGAGTCAATGCAGGTGTGAGCATGAACATC
CAGCCCATGTACCTGGGGAGAGCGCCCTAAGGAGCTCCGAGGAGCTGTGGCCATGAGC
TCAGCCATCTTTACGGCTCTGGGATCGTGATGGGACAGGTGGTGGACTCAGGGAGCTC
CTAGGTGGCCCTCAGCCTGGCCCTGCTGCTGGCCAGCTGCCTGGTGGCCGGGGGCGCTC
CAGCTCGNCTCCCTGGCTCTGGCTCCTGAAAGCCCGCGCTACCTCCTATTGACTGTGGA
GACACCGAGGCTGCCTGGCAGCACTACGGCGGGCTCGGGGCTCCGGNGACTTGGCAGGG
GAGCTGGC
    
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_030807

<b>Insert Size:</b>	2650 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_030807.2</a></u> , <u><a href="#">NP_110434.2</a></u>
<b>RefSeq Size:</b>	2055 bp
<b>RefSeq ORF:</b>	1512 bp
<b>Locus ID:</b>	66035
<b>UniProt ID:</b>	<u><a href="#">Q9BYW1</a></u>
<b>Cytogenetics:</b>	22q11.23
<b>Domains:</b>	sugar_tr
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene belongs to a family of proteins that mediate the transport of sugars across the cell membrane. The encoded protein transports glucose and fructose. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1, also known as SLC2A11-b) encodes isoform a (also known as GLUT11-L). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>