

## Product datasheet for SC332990

### SLC5A10 (NM\_001270649) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC5A10 (NM\_001270649) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SLC5A10  
**Synonyms:** SGLT-5; SGLT5  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332990 representing NM\_001270649.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCGCAACTCCACCAGCGACCTCCACACTCCCGGGACGCAGCTGAGCGTGGCTGACATCATCGTC
ATCACTGTGATTTTGTCTGAATGTGGCCGTGGGCATATGGTCCTTTGTGGGCCAGTAGGAACAGC
GTGAATGGCTACTTCTGGCAGGCCGGACATGACGTGGTGGCCGATTGGAGCCTCCCTCTTCGCCAGC
AGCGAGGGCTCTGGCCTTTTATTGGACTGGCGGGCTCAGGCGCGGCAGGAGGTCTGGCCGTGGCAGGC
TTCGAGTGAATGCCACGTACGTGCTGCTGGCACTGGCATGGGTGTTCTGTCGCCATCTACATCTCCTCA
GAGATCGTCACCTTACCTGAGTACATTCAGAAGCGCTACGGGGGCCAGCGGATCCGCATGTACCTGTCT
GTCTGTCCCTGTACTGTCTGTCTTACCAAGATATCGCTGGACCTGTACGCGGGGGCTCTGTTGTG
CACATCTGCCTGGGCTGGAACCTTACCTCTCCACCATCCTCACGCTCGGCATCACAGCCCTGTACACC
ATCGCAGGGGGCTGGTGTGTAATCTACACGGACGCCCTGCAGACGCTCATCATGGTGGTGGGGGCT
GTCATCTGACAATCAAAGCTTTTGACCAGATCGGTGGTTACGGGCAGCTGGAGGCAGCCTACGCCCAG
GCCATTCCTCCAGGACCATGCCAACACCACCTGCCACCTGCCACGTACAGACGCCATGCATGTTT
CGAGACCCACACAGGGGACCTGCCGTGGACGGGATGACCTTTGGCCTGACCATCATGGCCACCTGG
TACTGGTGACCCAGGATCATCGTGCAGCGATCACTGTGAGCCGGGACCTGAACCATGCCAAGGCG
GGCTCCATCCTGGCCAGCTACCTCAAGATGCTCCCATGGGCCTGATCATGATGCCGGGCATGATCAGC
CGCGCATTGTTCCAGGTCTGCGGGGGCTGATGATCGCAGTGTGCTGGCGGCGCTCATGTGTCGCTG
ACCTCCATCTTCAACAGCAGCAGCACCTCTTCACTATGGACATCTGGAGCGGGTGGTCCCGCTCC
GGCAGCGGGAGCTCCTGCTGGTGGGACGGCTGGTTCATAGTGGCACTCATCGGCCTGAGTGTGGCCTGG
ATCCCCGTCTGCAGGACTCCAACAGCGGGCAACTCTTCACTACATGCAGTCAGTGACCAGCTCCCTG
GCCACCAGTGACTGCAGTCTTTGCTGGGCTCTTCTGGCGACGTGCCAACGAGCAGGGGGCTTC
TGGGGCTGATAGCAGGGCTGGTGGTGGGGCCACGAGGCTGGTCTGGAATTCCTGAACCCAGCCCCA
CCGTGCGGAGAGCAGACACGCGGCCAGCCGCTCTGGGAGCATCCACTACCTGCACTTCGCTGTGCC
CTCTTTGCACTCAGTGGTGTGTTGGTGGCTGGAAGCCTGCTGACCCACCCACAGAGTGTCCAG
ATTGAGAACCTTACCTGGTGGACCTGGCTCAGGATGTGCCCTTGGGAATAAAGCAGGTGATGGCAA
ACACCCAGAAACACGCCTTCTGGGCCCGTGTCTGTGGCTTCAATGCCATCCTCCTCATGTGTGCAAC
ATATTCTTTTATGCCTACTTCGCCTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270649



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<b>Insert Size:</b>	1683 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_001270649.1</a></u>
<b>RefSeq Size:</b>	1984 bp
<b>RefSeq ORF:</b>	1683 bp
<b>Locus ID:</b>	125206
<b>UniProt ID:</b>	<u><a href="#">A0PIK1</a></u>
<b>Cytogenetics:</b>	17p11.2
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	60.6 kDa
<b>Gene Summary:</b>	<p>This gene is a member of the sodium/glucose transporter family. Members of this family are sodium-dependent transporters and can be divided into two subfamilies based on sequence homology, one that co-transporters sugars and the second that transports molecules such as ascorbate, choline, iodide, lipoate, monocarboxylates, and pantothenate. The protein encoded by this gene has the highest affinity for mannose and has been reported to be most highly expressed in the kidney. This protein may function as a kidney-specific, sodium-dependent mannose and fructose co-transporter. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon, compared to variant 1. This results in a shorter protein (isoform 4), compared to isoform 1.</p>