

## Product datasheet for **SC325295**

### SLC5A9 (NM\_001135181) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A9 (NM_001135181) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC5A9
Synonyms:	SGLT4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC325295 sequence for NM\_001135181 edited (data generated by NextGen Sequencing)

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ATGAGCAAGGAGCTGGCAGCAATGGGGCCTGGAGCTTCAGGGGACGGGGTCAGGACTGAGACAGCTCCAC
ACATAGCACTGGACTCCAGAGTTGGTCTGCACGCCTACGACATCAGCGTGGTGGTCATCTACTTTGTCTT
CGTCATTGCTGTGGGATCTGGTCTGCCATCCGTGCAAGTCGAGGGACCATTGGCGGCTATTTCTGGCC
GGGAGGTCCATGAGCTGGTGGCCAATTGGAGCATCTCTGATGTCCAGCAATGTGGGCAAGTGGCTTGTCA
TCGGCCTGGCTGGGACAGGGGCTGCCGGAGGCCTTGCCGTAGGTGGCTTCGAGTGAACATGAGGAAATC
AAGGTCTGGAGGAGACAGAGGGATCCATCCAAGGTCACACGGGAGGACTGGGGTCAGGTCCCAGGCAACC
TGGCTGCTCCTGGCCCTTGGCTGGGTCTTCGTCCCTGTGTACATCGCAGCAGGTGTGGTCACAATGCCGC
AGTATCTGAAGAAGCGATTTGGGGGCCAGAGGATCCAGGTGTACATGTCTGTCTCTCATCTCTA
CATCTTCCACCAAGATCTCGACTGACATCTTCTCTGGAGCCCTTTCATCCAGATGGCATTGGGCTGGAAC
CTGTACCTCTCCACAGGGATCCTGCTGGTGGTACTGCCGTCTACACCATTGCAGGTGGCCTCATGGCCG
TGATCTACACAGATGCTCTGCAGACGGTATCATGGTAGGGGAGCCCTGGTCTCATGTTTCTGGGCTT
TCAGGACGTGGGCTGGTACCCAGGCCTGGAGCAGCGGTACAGGCAGGCCATCCCTAATGTACAGTCCCC
AACACCACCTGTACCTCCCACGGCCCGATGCTTTCACATGCTTCGGGACCCTGTGAGCGGGGACATCC
CTTGGCCAGGTCTCATTTTCGGGCTCACAGTGTGGCCACCTGGTGTGGTGCACAGACCAGGTCATTGT
GCAGCGGTCTCTCTCGGCCAAGAGTCTGTCTCATGCCAAGGGAGGCTCCGTGCTGGGGGGCTACCTGAAG
ATCCTCCCATGTTCTTCATCGTCATGCCTGGCATGATCAGCCGGGCCCTGTTCCAGACGAGGTGGGCT
GCGTGGACCCTGATGTCTGCCAAGAATCTGTGGGGCCGAGTGGGATGTTCCAACATTGCCTACCTAA
GTTGGTCATGGCCCTCATGCCTGTTGGTCTGCGGGGCTGATGATTGCCGTGATCATGGCCGCTCATG
AGCTCACTCACCTCCATCTTCAACAGCAGCAGCACCCCTGTTACCATTGATGTGTGGCAGCGCTTCCGCA
GGAAGTCAACAGAGCAGGAGCTGATGGTGGTGGGCAAGTGTGTTGGTGTTCCTGGTTGTCATCAGCAT
CCTCTGGATCCCCATCATCCAAGCTCCAACAGTGGGAGCTCTTCGACTACATCCAGGCTGTACACAGT
TACCTGGCCCCACCCATCACCGCTCTCTTCTGCTGGCCATCTTCTGCAAGAGGGTCACAGAGCCCCGGAG
CTTTCTGGGGCCTCGTGTGTTGGCCTGGGAGTGGGGCTTCTGCGTATGATCCTGGAGTTCTCATACCCAGC
GCCAGCCTGTGGGGAGGTGGACCGGAGGCCAGCAGTGTGAAGGACTTCCACTACCTGTACTTTGCAATC
CTCCTCTGCGGGCTCACTGCCATCGTCATTGTGTCATTGTGTCAGCCTCTGTACAACCTCCATCCCTGAGGAA
AGCTCACACGCCTCACATGGTGGACTCGGAAGTCCCCCTCTCTGAGCTGGAGAAGGAGGCCACGAGAG
CACACCGGAGATATCCGAGAGGCCAGCCGGGGAGTCCCCTGCAGGAGGTGGAGCGGCAGAGAAGTCTGAGC
CTGGGCCAGGAGCAGCCTGAAGCCCAAGCAGGTCTGGGGAAAGTTGCTCTGGAGCTGGTTCTGTGGGC
TCTCTGGAACACCGGAGCAGGCCCTGAGCCCAGCAGAGAAGGCTGCGCTAGAACAGAAGTGTACAAGCAT
TGAGGAGGAGCCACTCTGGAGACATGTCTGCAACATCAATGCTGTCTTTTGGTGGCCATCAACATCTTC
CTCTGGGGCTATTTTGCCTGA
    
```

Clone variation with respect to NM\_001135181.1  
882:g=>t

- Restriction Sites:** Please inquire
- ACCN:** NM\_001135181
- Insert Size:** 2100 bp
- OTI Disclaimer:** 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_001135181.1</a></u> , <u><a href="#">NP_001128653.1</a></u>
<b>RefSeq Size:</b>	3293 bp
<b>RefSeq ORF:</b>	2121 bp
<b>Locus ID:</b>	200010
<b>UniProt ID:</b>	<u><a href="#">Q2M3M2</a></u>
<b>Cytogenetics:</b>	1p33
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>Involved in sodium-dependent transport of D-mannose, D-glucose and D-fructose. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>