

Product datasheet for **SC301575**

SLC5A9 (NM_001011547) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC5A9 (NM_001011547) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC5A9
Synonyms:	SGLT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC301575 representing NM_001011547.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGCAAGGAGCTGGCAGCAATGGGGCCTGGAGCTTCAGGGGACGGGGTCAGGACTGAGACAGCTCCA
CACATAGCACTGGACTCCAGAGTTGGTCTGCACGCCTACGACATCAGCGTGGTGGTCATCTACTTTGTC
TTCGTCATTGCTGTGGGGATCTGGTCGTCATCCGTCGAAGTCGAGGGACCATTGGCGGCTATTTCCCTG
GCCGGGAGGTCCATGAGCTGGTGGCCAATTGGAGCATCTCTGATGTCCAGCAATGTGGGCAGTGGCTTG
TTCATCGGCTGGCTGGGACAGGGGCTGCCGGAGGCTTGCCGTAGGTGGCTTCGAGTGGAAACGCAACC
TGGCTGCTCCTGGCCCTTGGCTGGGTCTTCGTCCCTGTGTACATCGCAGCAGGTGTGGTCACAATGCCG
CAGTATCTGAAGAAGCGATTTGGGGCCAGAGGATCCAGGTGTACATGTCTGTCTCTCATCTC
TACATCTTACCAAGATCTCGACTGACATCTTCTCTGGAGCCCTTTCATCCAGATGGCATTGGGCTGG
AACCTGTACCTCTCCACAGGGATCCTGCTGGTGGTACTGCCGTCTACACCATTGCAGGTGGCCTCATG
GCCGTGATCTACACAGATGCTCTGCAGACGGTATCATGGTAGGGGGAGCCCTGGTCTCATGTTTCTG
GGCTTTCAGGACGTGGGCTGGTACCCAGGCCTGGAGCAGCGGTACAGGCAGGCCATCCCTAATGTACA
GTCCCAACACCACCTGTACCTCCCACGGCCCGATGCTTTCCACATTCTTCGGGACCCTGTGAGCGGG
GACATCCCTTGGCCAGGTCTCATTTTGGGGCTCACAGTGTGGCCACCTGGTGTGGTGCACAGACCAG
GTCATTGTGCAGCGGTCTCTCGGCCAAGAGTCTGTCTCATGCCAAGGGAGGCTCCGTGCTGGGGGGC
TACCTGAAGATCCTCCCATGTTCTTTCATCGTCATGCCTGGCATGATCAGCCGGGCCCTGTTCCAGAC
GAGGTGGGCTGCGTGGACCCTGATGTCTGCCAAGAATCTGTGGGGCCGAGTGGGATGTTCCAACATT
GCCTACCCTAAGTTGGTATGGCCCTCATGCCTGTTGGTCTGCGGGGGCTGATGATTGCCGTGATCATG
GCCGCTCATGAGCTCACTCACCTCCATCTTCAACAGCAGCAGCACCCCTGTTCCACATTGATGTGTGG
CAGCGCTTCCGCAGGAAGTCAACAGAGCAGGAGCTGATGGTGGTGGGCAGAGTGTGGTGGTTCCTG
GTTGTCATCAGCATCCTCTGGATCCCCATCATCCAAGCTCCAACAGTGGGCAGCTCTTCGACTACATC
CAGGCTGTACCAGTTACCTGGCCCCACCATCACCGCTCTTCTCTGCTGGCCATCTTCTGCAAGAGG
GTCACAGAGCCCCGAGCTTTCTGGGGCCTCGTGTGGCCTGGGAGTGGGGCTTCTGCGTATGATCCTG
GAGTTCTCATACCCAGCGCCAGCCTGTGGGGAGGTGGACCGGAGGCCAGCAGTGTGAAGGACTTCCAC
TACCTGTACTTTGCAATCCTCCTCTGCGGGCTCACTGCCATCGTCATTGTATTGTCAGCCTCTGTACA
ACTCCCATCCCTGAGGAACAGCTCACACGCCTCATGGTGGACTCGGAAGTCCCCCTCTCTGAGCTG
GAGAAGGAGGCCACGAGAGCACACCGGAGATATCCGAGAGGCCAGCCGGGGAGTCCCTGCAGGAGGT
GGAGCGGCAGAGAACTCGAGCCTGGGCCAGGAGCAGCCTGAAGCCCAAGCAGGTCTGGGAAAGTTG
CTCTGGAGCTGGTTCTGTGGGCTCTCTGGAACACCGGAGCAGGCCCTGAGCCAGCAGAGAAGGCTGCG
CTAGAACAAGAGCTGACAAGCATTGAGGAGGAGCCACTCTGGAGACATGTCTGCAACATCAATGCTGTC
CTTTTGTGGCCATCAACATCTTCTCTGGGGCTATTTTGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001011547
Insert Size: 2046 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001011547.2](#)

RefSeq Size: 3218 bp

RefSeq ORF: 2046 bp

Locus ID: 200010

UniProt ID: [Q2M3M2](#)

Cytogenetics: 1p33

Protein Families: Transmembrane

MW: 74.1 kDa

Gene Summary: Involved in sodium-dependent transport of D-mannose, D-glucose and D-fructose. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the mid coding region, compared to variant 1, resulting in an isoform (2) that is shorter than 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.