

## Product datasheet for **SC203241**

### **SLC5A10 (NM\_001042450) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	SLC5A10 (NM_001042450) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SLC5A10
Synonyms:	SGLT-5; SGLT5
ACCN:	NM_001042450
Insert Size:	2000 bp



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**Insert Sequence:**

>SC203241 3'UTR clone of NM\_001042450

The sequence shown below is from the reference sequence of NM\_001042450. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGGATCGCC
AACATATTCTTTTATGCCTACTTCGCCTGACACTGCCATCCTGGACAGAAAGGCAGGAGCTCTGAGTCC
TCAGGTCCACCCATTTCCCTCATGGGGATCCCGAGGCCCAAGAGGGGCAGATTCCTCACAGCTGCA
CAGCAGCTCGGTGCCAAGAAGTGGCAAGCCAGCAAAGCGGGAGCCCTGAAAAATTAGGGGGGAAATG
GGAGAAAAATAATGTGACATTTCAAAAACAGCACCAAAGCAGTCAGCATTGGAAGGAAATAGATTTCT
GACGGACATCCTGATGTTGGTTTTACTGTTTTCTGTTTTGAATACACAGGCTGGGTGAGGAGCAGTGAGA
TTTGCCAGCACTCAGGGTCTAAGGGTCTTGGCCAGCTCTGGATGGAGGAAGAGCCACATGCCAG
AGCAAGGCCCCCATTAAGGGACTGCAGCCACCTCCAAGGGCTCCTCCCTCCACCACCGGCTCCAAA
TGCCAGAGGGAGCCTCTTCGCCCTCCCTCCCTGCCACCATCCCTCAACCATCAGCTGGGGTTCAAAG
CCTTTCCAAGTCCACCTCACTTTCCCTCCTCCAAGGTGCCAGGCTCTGGGCAGGCCCTGCTCATA
TCCTGATCATGGCACATTCTCTGGAGGACCCTCCTGTTCTCGGGTAGGGGCCGTGCCCCACCTAGGTA
GCCGTCCCATGTGGGATCCTGTAGGATCTCTAAAACCTAGCTCTGGCCCCAATTCTGTCTGCCCTGG
AGGTTTCTCAGCTCCTGAGAGCTCTGTGGGCCCGGTCTGGGCAGAACCTGGGCCTAAACAAACAAG
AGCCAGGGCAGCCAGGGTCTCTGCGTGGCTGGGCCAGGGCTTGCCTCAGAGCTCACCTGTCCAACAG
AAGAGGAGTGTGCCTCCACCTCCCTACTGCCGCCCTTTTTCAGGGTCTTAGGGCCTTAGCCCTGT
GGTGGGTGCTGGGTGCCCCAGGTGGAGCTGAAGTCATGGGGCTGTTGAGGAGTTGGTGTCCACCTGGA
GTCTGTCCAGTGAGTTTAGTCAACAGGTGTGCAGTCTGTCTTCGAGGCTGAGCCACCTCCCAACAGC
CTGAACAACCTCCAGGGGCCTTTTGAGGGAGGGGCAGGCAGGCCCAAGTGGGTGGTCAGCCCAAGGTGAAC
CCACCCACCATGGCCAGGTTCTTAGGTTGAGCTCCAGTGGGTGAAACCTGGGAGTCTCAACCTTC
CTGGCAGATGGGGCCATTGACAAGAGGAGGTGGGCGGGCCTCCACAGACTCCGCCCTGTGGTGTACA
CAGCTGGCAGCCAATGGAAGCAACCAGCCAGGAAGCCCCGGAGCTACCTTGCTGGGTACCCTTGCTG
GGGGACCTGGGCCATCCAGTTTGTGCAGAGCGGCCGGAGGCAGTTAGGAGCCACGTTCAAGG
CCGTCCACTGAGCCCGTGTGACTCTGACAGAGCTGGGGGTGCCATGTCCTCTCTGGACCTCAGTTCC
TGTA AAAAAGCCGTTGGCCAGATCGGCCGCCGGGCTGCTCACAGGTGCACGGGCTGCACGTAACCCG
TGGGAAGAAGCCAACGCGCCCGCAGGACCGGCCCGCCACCAGTGGGGTCTGGGCGCTCCAGGACCTC
AATGATGTCGCCACGGCGGAAGCTGAGCTGCGAGGGTCTGGGCTGAGAAGTCAAACCTGGGCTGGGC
AAAGCAGGCCCCAGGTGACTGCAAGAAGAGGAGGTGGTTAGTAGGGTGCCTTCAGAACCCCTGCAACCC
ACCTCCCTCAGAGGCACCCAAGAGAAGTGATTTGCCACAGGTGAGGAGGGGTCTCGGGCAGCACCGGA
GTTGAACTTTAAGTCCAGATCAATGGTAGTGCCACCACTGGGCTCCTGTGCCACACCCTGCCTGT
CTGCTGTGCAGATGCTGCATCTACATAGAACACGGCTTTCCAGCCGCCAGCTGGGACAATAGGGCT
ACGCGT AAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
```

**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\_001042450.4

**Summary:**

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-transportes 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]

**Locus ID:**

125206

**MW:**

70