

## Product datasheet for **SC206443**

### SI (NM\_001041) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** SI (NM\_001041) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** SI  
**ACCN:** NM\_001041  
**Insert Size:** 494 bp  
**Insert Sequence:** >SC206443 3'UTR clone of NM\_001041

The sequence shown below is from the reference sequence of NM\_001041. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAGAACCAATAGAAATCAACTGGTCAAGATCACCATCAATTTTAGTTGTCAATGGGAAAAACAC
CAGGATTTAAGTTTCACAGCACTTACAATTTCCCTCTTCACTTGGTTCTTGTACTCTACAAAATATAG
CTTTCATAACATCGAAAAGTTATTTTGTAGCGTACATCAATGATAATGCTAATTTTATTATAGTAATGT
GACTTGGATTCAATTTAAGGCATATTTAACAAAATTTGAATAGCCCTATTTATCCTTGTAAAGTATCA
GCTACAATTGTAACTAGTTACTAAACATGTATGTAAATAGCTAAGATATAATTTAAACGTGATTTTAA
AATTAATAAAATTTTATGTAATTATATACTATATTTTCTCAATGTTTAGCAGATTTAAGATATG
TAACAACAATTATTTGAAGATTTAATTACTTCTTAGTATGTGCATTTAATTAGAAAAAGAGAATAAAAA
ATGTAAGTGTA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul

**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\\_001041.4](#)



[View online »](#)

**Summary:** This gene encodes a sucrase-isomaltase enzyme that is expressed in the intestinal brush border. The encoded protein is synthesized as a precursor protein that is cleaved by pancreatic proteases into two enzymatic subunits sucrase and isomaltase. These two subunits heterodimerize to form the sucrose-isomaltase complex. This complex is essential for the digestion of dietary carbohydrates including starch, sucrose and isomaltose. Mutations in this gene are the cause of congenital sucrase-isomaltase deficiency.[provided by RefSeq, Apr 2010]

**Locus ID:** 6476

**MW:** 19.3