

## Product datasheet for **SC207440**

### Syntrophin alpha 1 (SNTA1) (NM\_003098) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Syntrophin alpha 1 (SNTA1) (NM\_003098) Human 3' UTR Clone  
**Symbol:** Syntrophin alpha 1  
**Synonyms:** dj1187J4.5; LQT12; SNT1; TACIP1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_003098  
**Insert Size:** 580 bp  
**Insert Sequence:** >SC207440 3'UTR clone of NM\_003098  
 The sequence shown below is from the reference sequence of NM\_003098. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAAGTCACCCGCCTCGGGCTGTTGGCCTAGAAGTCGCCGGATGCACTAGCCCTGAAGAGGGGTGTCCAT
GACATGGCCTGAGCTGGGCTCCACCGACTGCCTGCTCACCCCTGGGCTGAGGGAAGGGAGAGGAGAGG
AACAAAGGGCTCCGAAACCCCAACCCTGAGGGAGACTGGATTGGTCTTGGGGCCAGGACCCAGACGCA
GGACAGAGTGGACTCTGCCTGTGATGGGGTGGCCTTCTGCTGCCCCCTCCACCAGTGCCTTTTGCAG
AGAGATATTTGTGTACACAGAAGCCATCCGAGTCTGGGACCTGCCCTGTGCGGATCCTGACCCAG
CCAACAGCTGAGCTGCCGGGCTCCTCGAGGCCCTAAGCCACCCCAAGGTCCTCATCTGAAGCTGGA
GTACCCTGGGGTCAGCAGCAAGAGAAAGAGAGATTTCTGTTTGTTCCTCAGCCCTGCCA
CCGTGGGGAGTCTGGTTTTCTCTTCATCCTGTCTCTCTCTCTACTCTTGGATAAAATAACAGCCT
GTGAGCACACAGGCAGCCCGCCAGTG
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_003098.3</a>
<b>Summary:</b>	Syntrophins are cytoplasmic peripheral membrane scaffold proteins that are components of the dystrophin-associated protein complex. This gene is a member of the syntrophin gene family and encodes the most common syntrophin isoform found in cardiac tissues. The N-terminal PDZ domain of this syntrophin protein interacts with the C-terminus of the pore-forming alpha subunit (SCN5A) of the cardiac sodium channel Nav1.5. This protein also associates cardiac sodium channels with the nitric oxide synthase-PMCA4b (plasma membrane Ca-ATPase subtype 4b) complex in cardiomyocytes. This gene is a susceptibility locus for Long-QT syndrome (LQT) - an inherited disorder associated with sudden cardiac death from arrhythmia - and sudden infant death syndrome (SIDS). This protein also associates with dystrophin and dystrophin-related proteins at the neuromuscular junction and alters intracellular calcium ion levels in muscle tissue. [provided by RefSeq, Jan 2013]
<b>Locus ID:</b>	6640
<b>MW:</b>	20.8