

## Product datasheet for **SC319887**

### Syntrophin (SNTB2) (NM\_006750) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syntrophin (SNTB2) (NM_006750) Human Untagged Clone
Tag:	Tag Free
Symbol:	Syntrophin
Synonyms:	D16S2531E; EST25263; SNT2B2; SNT3; SNTL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006750.3  
 CTGGAATGAGGGTAGCTGCGGCGACTGCGGCGGCTGGAGCGGGGCCGCCATGGCGGTGT  
 GGACGCGGGCCACCAAAGCGGGGCTGGTGGAGCTGCTCCTGAGGGAGCGCTGGGTCCGAG  
 TGGTGGCCGAGCTGAGCGGGGAGAGCCTGAGCCTGACGGGCGACGCCCGCGGGCCGAGC  
 TGGAGCCCCTCTGGGACCCGCGGCCCGCCTTCAACGGCTCCCAAACGGCGGGCGGCG  
 CGGGCGACTCGCTGCCCGGGAGCCAAAGCCGCGGCTGGGGCCCCGAGCCCGCGGGCGC  
 CGCCTCGGGGCCCGGGTGAAGCGGGCGCGTCCCGCCCGTGGCGGGGTGCGGGTGG  
 TGAAGCAAGAGGGCGGCGCCTGGGCATCAGCATCAAGGCGGCGCGAGAACC GGATGC  
 CGATCCTCATCTCCAAGATCTTCCCGGGCTGGCTGCCGACCAGAGCCGGGCGCTGCGGC  
 TGGGCGACGCCATCCTGTCGGTGAACGGCACCGACCTGCGCCAGGCCACCCACGACCAGG  
 CCGTGCAGGCGCTGAAGCGCGGGCAAGGAGGTGCTGCTGGAGGTCAAGTTCATCCGAG  
 AAGTAACACCATATCAAGAAGCCATCATTAGTATCAGATCTGCCGTGGGAAGGTGCAG  
 CCCCCAGTCACCAAGCTTTAGTGGCAGTGAGGACTCTGGTTCGCCAAAACACCAGAACA  
 GCACCAAGGACAGGAAGATCATCCCTCTCAAAATGTGCTTTGCTGCTAGAAACCTAAGCA  
 TGCCGGATCTGGAAAACAGATTGATAGAGCTACATTCTCCTGATAGCAGGAACACGTTGA  
 TCCTACGCTGCAAAGATACAGCCACAGCACACTCCTGGTTCGTAGCTATCCACACCAACA  
 TAATGGCTCTCCTCCACAGGTGTTGGTGAACCTCAACGCCATGCTTGGGGCAACCAAGTA  
 CAGCAGGAGGCAGTAAAGAGGTGAAGCATATTGCCTGGCTGGCAGAACAGGCAAAACTAG  
 ATGGTGAAGACAGCAATGGAGACCTGCTCCTCATGGCTGTGACTGAGAAGGATTTGCTGC  
 TCTATGACTGTATGCCGTGGACAAGAGATGCCTGGGCGTACCATGCCACAGCTACCCAC  
 TTGTTGCCACCAGTTGGTTCATTCTGGCTCCGGATGTCGATCCCCCTCCCTTGGATCTG  
 ACCTTACATTTGCTACCAGGACAGGCTCTCGACAGGGCATTGAGATGCATCTCTTCAGGG  
 TGGAGACACATCGGGATCTGTCATCCTGGACCAGGATACTTGTTCAGGGTTGCCATGCTG  
 CTGCTGAGCTGATCAAGGAAGTCTCTAGGCTGCATGTTAAATGGCCAAGAGGTGAGGC  
 TTAATTTCACTATGAAAATGGGTTACCATCTCAAGGAAAATGGAGGCTCCAGCAGCA  
 TATTGTACCGCTACCCCTTTGAAAGGCTGAAGATGTCTGCTGATGATGGCATCCGAAATC  
 TATACTTGGATTTGGTGGTCCCGAGGGAGAAGTACCATGGACCTGCACTCTTGTCCGA  
 AGCCGATTGTATTTGTGTTGCACACGTTTTTATCGGCCAAAGTCACTCGTATGGGACTGC  
 TTGTATGAGCAACAAAAATCAGAAAAGAGCCTTGACTGTCACAAGAAATATTTCCACCT  
 CAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006750

**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](mailto: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](#)

<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_006750.3</a></u> , <u><a href="#">NP_006741.1</a></u>
<b>RefSeq Size:</b>	9771 bp
<b>RefSeq ORF:</b>	1623 bp
<b>Locus ID:</b>	6645
<b>UniProt ID:</b>	<u><a href="#">Q13425</a></u>
<b>Cytogenetics:</b>	16q22.1
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	Dystrophin is a large, rod-like cytoskeletal protein found at the inner surface of muscle fibers. Dystrophin is missing in Duchenne Muscular Dystrophy patients and is present in reduced amounts in Becker Muscular Dystrophy patients. The protein encoded by this gene is a peripheral membrane protein found associated with dystrophin and dystrophin-related proteins. This gene is a member of the syntrophin gene family, which contains at least two other structurally-related genes. [provided by RefSeq, Jul 2008]