

# Recombinant Human SNTG2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SNTG2-6305H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SNTG2 MS Standard C13 and N15-labeled recombinant protein (NP_061841) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a protein belonging to the syntrophin family. Syntrophins are cytoplasmic peripheral membrane proteins that bind to components of mechanosensitive sodium channels and the extreme carboxy-terminal domain of dystrophin and dystrophin-related proteins. The PDZ domain of this protein product interacts with a protein component of a mechanosensitive sodium channel that affects channel gating. Absence or reduction of this protein product has been associated with Duchenne muscular dystrophy. There is evidence of alternative splicing yet the full-length nature of these variants has not been described. |
| <b>Molecular Mass</b>   | 60 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MGTEGPPPPAASRGRQGCLLPARTKTTIALLYDEESENAYDIRLKLTKEVLTIQKQD<br>VVCVGGSHQGRNRRRTVTLRRQPVGGLGLSIKGGSEHNVPVVISKIFEDQAADQTGM<br>LFVGDAVLQVNGIHVENATHEEVHLLRNAGDEVTITVEYLREAPAFKLPLGSPGPS<br>SDHSSGASSPLFDSGLHLNGNSSTTAPSSPSSPIAKDPRYEKRWLDTLSPVPLSMARI<br>SRYKAGTEKLRWNAFEVLALDGVSSGILRFYTAQDGTDWLRAVSANIRELTLQNMK                                                                                                                                                                                                                                                                                                                              |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

MANKCCSPSDQVVHMGWVNEKLQGADSSQTFRPKFLALKGPSFYVFSTPPVSTFD  
 WVRAERTYHLCEVLFKVHKFWLTEDCWLQANLYLGLQDFDFEDQRPYCF SIVAGH  
 GKSHVFNVELGSELAMWEKSFQRATFMEVQRTGSRTYMCSWQGEMLCFTVDFAL  
 GFTCFESKTKNVLWRFKFSQLKGSSDDGKTRVKLLFQNLDTKQIETKELEFQDLRAV  
 LHCIHSFIAAKVASVDPGFMDSQSLARKYMYSSSTRTRPLEQKLISEEDLAANDILDYK  
 DDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [SNTG2 syntrophin gamma 2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [SNTG2](#)

**Synonyms** SNTG2; syntrophin, gamma 2; gamma-2-syntrophin; G2SYN; SYN5; syntrophin-5; MGC133174;

**Gene ID** [54221](#)

**mRNA Refseq** [NM\\_018968](#)

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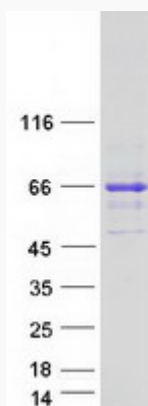
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**Protein Refseq** NP\_061841

**MIM** 608715

**UniProt ID** Q9NY99

**SDS-PAGE**



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